

Attachment
"A"

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL HUMAN POLYNUCLEOTIDES AND THE
POLYPEPTIDES ENCODED THEREBY

<130> 8535-0026-999

<140> US 09/398,253

<141> 1999-09-17

<150> US 60/095,989

<151> 1998-08-10

<150> US 60/100,917

<151> 1998-09-17

<160> 1008

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 1

tggctaggcc ccaggatagg cctcgctggc cttttttttt

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<210> 2

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 2

gccatggctc cggtaggtcc agag

24

<210> 3

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 3

tggctaggcc ccaggatag

19

<210> 4

<211> 19

<212> DNA

<213> Artificial Sequence

<220>
 <223> Primer

 <400> 4
 gtccagagat ggccatagc 19

 <210> 5
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <400> 5
 ccaggatagg cctcgctg 18

 <210> 6
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <400> 6
 tacagttttt cttgtgaaga ttg 23

 <210> 7
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <400> 7
 gggtagtccc caccttttg 19

 <210> 8
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer

 <400> 8
 tccaagtcct ggcattcac 20

 <210> 9
 <211> 171
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(171)
 <223> n = A,T,C or G

 <400> 9
 gtncacanan gannggnent gtgaggacac agcnagaagc aagtctntgc atgcnagaa 60
 gaacggcctc aacagacacc annctgcca gcaccttgat cttggcttnt ggcctccaga 120

actgtgaaag antaaagatt ctgttgttta agccagtaca aaataaatag g 171

<210> 10
<211> 294
<212> DNA
<213> Homo sapiens

<400> 10
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tccccagcct gaagagagaa aattctgaga tggctccctt acggattgag agcaggcact 120
gggtaggaac acagccaaga acgattgcag gatgggtcct tccaggacac tgacgtctca 180
gcttgcgcac tgtgagtccc tggacgagtt actccacctc tctgaacctc ctccctcactt 240
gcataatggg aaaaataatg gacataggga gatgaaacaa gaccttggag acca 294

<210> 11
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 11
ggatgccttc taaacagcct accctgcccc gngccatgat tactgtgacc acatcttcag 60
agccagaaaa caggatacct ggccctaagc atgcactcat ggagcanaag agttttaaat 120
ctgntatgcc acagaagaca gaagataaca tgcttactac acttgtnaag caacatgcag 180
ccagccattt ccagtgc aaa ttatctcatt gcatagtgtg acaactaaag gtcataacca 240
t 241

<210> 12
<211> 197
<212> DNA
<213> Homo sapiens

<400> 12
acaggatgcc tgtaatcatt attcagtgag cagcaacctg cagcagctcc tcctgactgg 60
cagatggggcc tggcggccac ccagaggctg gggacacagc aagaatccag cacagcaccg 120
atcccgattc cctcctcccc aaactacctg agccatggac ctcattttgt ggacaaaatt 180
aaacttgcca ctttcac 197

<210> 13
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 13
tgggtgcttac taaaaattga ataancgtgg aaaagagaaa atctccctct ttaaaaggaa 60
cactgttgtg gacattttta aatgcaaacg ccttggtctg aagtcagaaa tcgtgttctc 120
tctgctaacc ctggtgtagc atttaacacg cttgaagtgg aggcattctg tcaccaattt 180
cacagcctgg acagagcaag aagggtcgcc tggcttagga ggcggcctgc cgggggggat 240
cgtctgtcca tctgggcttg gtaaatgtca agggtcattt ccctgtcctg acatttgatt 300
gtgaagcagg ttgcgaggta actctttcaa gggactggac tgtgacagtc accatagttg 360
gacaataaaa cccgaacatc cttcacc 387

<210> 14
<211> 326

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G

<400> 14
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ataagagttt gccaaacaac taagatgggc tcttgattga gcaaanaaac cacaacatgg 120
gacacacaga gccaccctat tgnccctactg tcattcaagc ttaaaggaga catatctaca 180
gacaggggtt gagcctagtn atggnganaa ctttcttgga tgtctcaaca ncctgganat 240
gannntcccn acaaggcaga anancnaggt ggnacattgn tnntattgct ttttattcaa 300
ttataaaagt aatgcatgct ttttgt 326

<210> 15
<211> 166
<212> DNA
<213> Homo sapiens

<400> 15
tcagtatcct gacctggcaa ggtgttcctt aacctcccct ctggatcccc cttagcacac 60
atctgggaca atggagcggt cagcaccacg gacagcatta caccctcttc aagtgttgt 120
taaggccatt tgtctatttc actctcaagt aaataaaaaat attttt 166

<210> 16
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G

<400> 16
anntntntnt tgnngnnanna tctganncca nccagantnn tactctgngg acantncatc 60
atgacnaagt cccactgann acagacattc aagccatcca tgtagangg ganttgatnc 120
cnttgccctt tgcnntgann gnganncttc ngtngccang nnganntgtn gcagntcatc 180
ttgnacgacc tctggctcat tgcatgccta catnatgacc aggttnnagt gattcccgtg 240
cttcngnctc ctgagaagct gggattacgg gcctctgcga gactgtttca tagatgctca 300
agacaccagc aaaccagngc caccgaacaa gtatgagaaa agaacaggct agattatgtt 360
atccgaact tcacaaccat cagatctaga cagaaggagg tggacagtga acacagaaaa 420
gctgtaagggt gtcctgtgac agatgtatgt ggtggacaca gcaggaccca gaggaaggaa 480
gaaagaagct gctcttgaaa agaccctcaa accacgatgc tcaaggaagt gtcgagagat 540
gaaggagagg tgtttgccag gcagagcagt agagacaagt tttcgccatg ttggtcaagc 600
tggtctcaaa cttctaacct nacgtaatcc accccgct 638

<210> 17
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 17
gnaaagagaa aaacaacatt caacancaac ancaatttcc cgaggatccc tgcccacatt 60
canagtgnca catttaccta cttnanaggg gagatnaaag ccnactcta aggctcctta 120
ttccacagg ctggyaagca aacanggcnt acaggctttg cangagtgt tccataattct 180

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cttactgaag aaaagtcaac agcagagaca ncacagaaaa aggaatcaaa gaggccaaat 240
ctgnnggactc aaaacaataa gaaaaaataa atcaactttg ctaaaattta agaatgccag 300
gggggtaggt aaatgcactg ggaagtatgt gtggactatg atgataataa atctcctttc 360
aatacaactg atatttatca gaccttgaat aaaacactga atg 403

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<210> 18
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(103)
<223> n = A,T,C or G

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<400> 18
actttctcca agctactcag aagactgaag cagaaggatc acttgaggcc aggagttcaa 60
gatcagcctg agcaacatag ngaaacccta tctctaaaaa tac 103

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<210> 19
<211> 333
<212> DNA
<213> Homo sapiens

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<400> 19
gatcccatca tgctttctct gtcaaattct cttcgtctcc tcacatctgg gaccctttct 60
cagtgtgtcc tggcctttca taacctgcac actcttgaag aggattgcca gcaatgtcgg 120
agagtgaccc gcggtggggg tttgtctgag gcttactcac aattgccgtg gggtatggac 180
ttgtggagag aataccacgt acgcgagtg cctttcacga catcacgtca ggggtgcaggg 240
tattgtcctg acttaccact gtgaagtcac ctttgatcac ttgggcaagg tgaactctgt 300
gcattttctcc aacataaaagt tattatTTTT ccc 333

```

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<210> 20
<211> 92
<212> DNA
<213> Homo sapiens

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<400> 20
gtgggggtctt tcaagaggat cgcttccagg aggtcaaggc tgccatagcg ccactgcact 60
ccagcctggg cgacagggca aaaccctgta tc 92

```

```

<210> 21
<211> 259
<212> DNA
<213> Homo sapiens

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<400> 21
gaaatatatc atgtagttac atttcatcct tggaattcct ctctcctgtg agtgcaacct 60
gatttgagat gtaaaataaac tgcggtgata atgccggagt ctcgtcagac gccagttct 120
cccgccagcc gaggatggga gtgatgatga atgggtgccag gcccgctgca taatcttttc 180
tgttttaata ctcgattatc atgtccctca tcttccctgg acccaagact caacacatta 240
aaatctcttt gtttcttcc 259

```

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<210> 22
<211> 270
<212> DNA
<213> Homo sapiens

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<400> 22
gtggacgtca agaggaacac accagtggaa gaagacacaa gtggctggat attgagagga 60
acgcactggg gaaagaacac accaacagat gccatccagc tgacaggcca tccaccagtg 120
ccgcagagtt tggacagggc agaaggagag cccagccact gagcagcttg actccagggc 180
aaaaccatct tctactccg tctcccttct agtcccccca ttactgact gctatttcca 240

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ctcaataaag tcttgcattg attctccaag

270

<210> 23
<211> 260
<212> DNA
<213> Homo sapiens

<400> 23
gaggaaagtc aagtgcttct tgaattcttc tgggtgaccct gaggtgggag gtgagaagag 60
cagtccctggg tggactgtgg cctggcagct accatcattg ccctcttcaa ccacaggggtc 120
atcaaggcta ccattgagtg gctgctttat cagtgaagac aacacaggga gaagatctca 180
tcagagggga cttggctatt tcagtgatca aaacatgctc ctaaacaatgg ataacaatcat 240
taaaagatgc caccttcctg 260

<210> 24
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(238)
<223> n = A,T,C or G

<400> 24
agccttcagg gaaaagcaag actgtcctgt agaagcacca ggaagatgtc caacagtgtc 60
gtagctgaaa cctgggagat ggggactaag ctgggaagct ggactgccct gattgagtgt 120
tgatcttcac ccttgatgga gagagccata ttcttagttg gccctcagct tcatggctaa 180
cncnnggggt taancnttcn nggnttggt angnnaang ctttgacac ggttttga 238

<210> 25
<211> 209
<212> DNA
<213> Homo sapiens

<400> 25
gtatggaaaa accacaggga gagggagaag ccttgagatc acatggaaga gaactgagga 60
attgagctga caatgagaat tgagggtcca gcctatgggt ccagttgtgt gttccagcca 120
gcatccagtt gtttgaaact cctctatact agtaaacaag taattaatta atacaagtaa 180
atgaaaacaa gtaataaagt aattaatac 209

<210> 26
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 26
actgagagag gaggtcagt ttcctaaaca ataagatcca cgtaaagaca gctgagtga 60
tctgactcct ctccaagttt ttttgcagct tactcaaaag atgaggaagc tgagatccag 120
ccaagttcan atatctagta agtgacagaa cctagatacc aacccaagca tctgactcc 180
agagccttct tcgctgtacc aaaggcttag gtcactccac ttgtttgttt ctgggtcaaac 240
atgtgttgac aattgtgtgg atgcacacct agaattgttt ggaaagatct gtgaaaatat 300
ggcagtgaca agatttcctt ttccaatatg ttttccacag taaaacacca gacattcatg 360
attcaacca tgtctgggat tctgcacgat caagtgcct cagtatttta agcttttgga 420
taattcatag ctatcatgtc taaattgttc tgcttgttct aaatttgccc tgcagtgtga 480
cctttcaaga taagtctctt cagctgataa actcctgttt ttaaatgc 528

<210> 27

<211> 317
 <212> DNA
 <213> Homo sapiens

<400> 27
 gacacacaac tggactacat ttcccaccct catcagcagt gagatgtgac agagttcttag 60
 ccaacgcagt gcatctcttc aaggcctagg acatagacaa ttccctcttc ctccctccagg 120
 ctttttctcc aagctgacgg gatgatgatt gccacagacaa ccttgggagc tgtgtgttga 180
 agatgttaga accaccagca gtttgacttt ccagttaatt gcatggagcg gggaccctgt 240
 acctttctct gccactcaa cagaaacacc caccttgaac tattatgtga tatacaaata 300
 aactcctttt gtgctcg 317

<210> 28
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 28
 atcctactgg aggagacctt gaggaacact aaaatagagg aaaaagttgt ttactcagac 60
 ccagggagtg actggttgtg cagtgggtgag caaacgaag catctgcctt taactcagtg 120
 agaggatgac aataaataat catcaaacac atcattgcaa aataggaagt gaaataaaaa 180
 gaagagcatg atgaaataga gaataacatg gggttgtgta tggatggaat aattaaagaa 240
 ggcaagggga tcctaatagaa tgagaagaag acaaaaatcc tggaagggaag agagctttct 300
 tgcagaagga agactatatg caaagacctc aggaaaatga gaaactgaaa gatgggccct 360
 gtgactagca tgaagtgggt gaaggagaaa tgatgtgaaa ttttaattgga aaaatcacca 420
 ggaattanac ctctacagc catgctgcca agatgcagaa gccacttcat tccttgtgct 480
 ta 482

<210> 29
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 29
 gccccatttc caaatatcat cacaatgaag attagggcctt caacatacga attttagagg 60
 acacaattca gtccacagca acgatgcata gaagacaagg caatatgaag tgagaacaga 120
 ggtattttgaa gctgtcagcc ttcaagactg gagtgcagca gtgacaagcc gaggccacca 180
 gaaactggaa gaagcaagga aggatcctct cctggccttc agaactttga cagaataaag 240
 tttttttttt taagctgc 258

<210> 30
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 30
 gtaactgaag atttacatct gtaaactctgg atgggaactg aattcctaca tcatagacag 60
 tttcaaggag ggaaggatta tgtgttcagg aaatactctg cattctcaaa actctacatt 120
 gttgggtgctt agatttgctc tgtgagaacc tactgaaata aaccatttct ctggaagac 179

<210> 31
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 31
 agacatgttc tcagtgatac ctgggctgctg gtacagtggc aagatgatag ttcaaggcag 60
 cctggaactt gggctcaaat gatcctcctg cttcagactt ctgcctcaat gctgattata 120

ataaacatat tctatttc

138

<210> 32
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 32
gaccaggcta aaggaacaga caccactaca gacgtggttc tcaaggagag ttggagctca 60
agtggggaca aggcccttgc ttgccacatc acgtaaaaat cttacgtgtc tttaatgcac 120
ttcacgtcca ggaacctcag cttcaaagaa aaccaaacgc tcatgttca tttaatccc 180
cttattcggg cttccaaaga ggtggagaat agctgggtgct cactgtccca gacactgaga 240
tggcatttca agattttctc tgcaatctgg tctctgaaca gacttgagcc tttgtctgct 300
ggttcccaac cctgggttaca catcagaacc atgtgctcca ggacctcacc tcttgagtc 360
tgangttgag ccaggaaac tctatgtctc catatttcca tccagacacc ctctctnttc 420
atgaaaccct tgnaaatgnc ttactcanc tttanacatg gcttaaaccct cacttttt 478

<210> 33
<211> 227
<212> DNA
<213> Homo sapiens

<400> 33
tggctggagc tccagcagcc atcctgtgac cctgagaaca aagccattca ttgaggctaa 60
tgaagcagga agaaggaatc ctgagtcctt gggaaacaag gatctacctg aatagctccg 120
aatgcctact tctagatgtc cttttagga gagaaagcaca cccttgtgta tttcagccac 180
tgctatttaa ggtttaacct aatcatgata ttattgggtt ttcttgg 227

<210> 34
<211> 273
<212> DNA
<213> Homo sapiens

<400> 34
ggcccagctc ctaacatgca ggtgtcacca gagagaaatg caccactgtg cccagcacca 60
tagctctggc tcagagagtt tgcctgagaa agcagcagac agaaaacaga aggtgcgagt 120
tgctcccgaa ggaactgact tcatgtgcaa cagagctcgg agaagtccaa ggctaagcac 180
actctccaga acagtggagg ttgtgctgaa aggcaactgg gaggcgacgg agagcctggg 240
aggtgcgggc tacactggag gccagcaagt ctg 273

<210> 35
<211> 366
<212> DNA
<213> Homo sapiens

<400> 35
ataacagaga gcgcaaacia cttgttcaag gtcattggac tgaaagtgac agagccagga 60
ctctgtccca catgcaaaga ctccacgcat catgcctatg atactcagag aaagaaggct 120
atcattataa agacctatac ttgatgctag aaattcaaga cgaagcctgg gcaacatagc 180
aaggctctca tctccacgaa aaagaaaaaa aattaaaaat aggcatagtg aagcacactg 240
gtggtagtct tagctactca ggagactaag gtgggaggat ccccgagcca aggagtttga 300
ggctgcagtg agctatgcaa acaccactgc actccaacct gtgcaacaga gaaagacccc 360
gtctct 366

<210> 36
<211> 262
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 36
ctcttgcaca tccctctttg ggtcccgttt gctcagcaag acctttcttc cgactgcacc 60
tctctctcct gctgcagtca ccgnetgagt tggggccaggc agaatctccc caaatactta 120
aatgaaggcc cacttcaggt ttgggcctca ccgcagagct gagatgaaac atgcaaggca 180
ttcgggcccc ttccccttct ggccccagct gaccttcac ccacagcact tacactcaaa 240
taaaagaaaa gtcactccct gc                                     262

<210> 37
<211> 88
<212> DNA
<213> Homo sapiens

<400> 37
gataacaata cgaagatcca cctgtcttgc tgctgccccaa gaccacactt ccatccacaa 60
gttccccagt aaatcacctg ctaccagc                                     88

<210> 38
<211> 119
<212> DNA
<213> Homo sapiens

<400> 38
tgaagtttcc agaagctaca tgacacgcgg ttcaattccg attgaatgcg gaaggagata 60
tgacaacctc aacgtcctct attaagccat acattaaaag gacttgcaag atgtaaaat 119

<210> 39
<211> 253
<212> DNA
<213> Homo sapiens

<400> 39
attcctctag caagaaagga agtgaaaaag gaaaaaaaga tctactagca attacagggga 60
agtcaaaatg ggagcaaaat tgcattcatg caaagagctc aaagaagaca actaatcttt 120
gttctaaata caacatggga tcctcacagg tgggcacatt agaaaagacc actgatcaag 180
gaccaatcac tgcagcaagt atgtgagttc cataggtata tctgaatttc aaaaataaaa 240
agatgctctc aat                                     253

<210> 40
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 40
agatgggggtc ttgctgtggt gencaggctg gaatgcagtg gctattcaca ggcattgatca 60
ctacatgcta cagcctggaa ttctggggt caagtgatcc tcctgccttg gactcccaac 120
aaactgggac gacaggtgca cgtgccacca taccagctt ccaggagagt ttcacgcaca 180
caggacagga tccaaaattg tcctaacttc agaggaagga ttaagaacaa gatttctttt 240
cagcatcttg tgagctctac ttctttttcc cccctgcatt gcatttggca tagtggttagc 300
ctatcctaaa taccctaatt gatttaaact ccattaaaca ttaaaaac                                     348

<210> 41
<211> 265
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(265)

<223> n = A,T,C or G

<400> 41

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ttnccggagt gtggatgtga acacgccgctc ttgggtcctg aggtggaagc catgtgtgga 60
agatggaggg catnggttag aaggagtcta gtccctgatg gtcactgagc tgcagaacca 120
gcctgggctg cttcctgctg gatgtcactt actagagagc gaaattaaat gtgcttcagc 180
tactgttact ttgggttttc tgtcatttgt agctgaaata atcctaataca atatgagata 240
tattaagtaa acaaaaatgc aaatg                                     265
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<210> 42

<211> 288

<212> DNA

<213> Homo sapiens

<400> 42

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aaaacggcta aagcaagggt ggaaacagcc accaggacgg actggaggtg agctgtgctg 60
cccacagcgc tctgcttact cccatcctgc ctatctctgc acttcagcgg gaactcataa 120
gacacccacc tgctcctgcc cagcacttta tgtattcatg cacaggatgg aagacctcca 180
acaaagcagc attgttgatt tcttagtggt ctctcacccc cagagcacat gcccaagtcc 240
cttccaaacc gtaaggactc ttggaaaata aacaaatgaa ccaacccc          288
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<210> 43

<211> 192

<212> DNA

<213> Homo sapiens

<400> 43

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aattactggg ttaaaattac tgacctatca tcaactctgca gagaagccac gtgatacctg 60
aagacattct gtttaccaga agtttccagt ggagaaactt tttcagaagt ctctattgc 120
aattgacaag tcttggtggt ctataatgct attgaatttg taaactatta aagtaatgct 180
ctttttcatt cc                                     192
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<210> 44

<211> 153

<212> DNA

<213> Homo sapiens

<400> 44

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aaaatgaagg atggaagcaa aaatggagat ggaacgaatg agaaaaaata gcataagaac 60
accagggtcat cgaggcgaaa gcagtgatat tatctgggaa actggaagaa atccaattgt 120
ggataaagat aaattacaga tgaaaccagt gct                                     153
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<210> 45

<211> 175

<212> DNA

<213> Homo sapiens

<400> 45

```
ggcaaagatg aaaccacaag agaaagcaga aagcagaaag aaggacaact gctatagact 60
ggatgtttgt gtgccttcaa aattatgttg aagcctcatc accagtgtga tgacatttgg 120
atgtggggcc tttgggaggt gaatggtgat gagagtaaag cccgtatgaa tgaac          175
```

<210> 46

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(278)
 <223> n = A,T,C or G

<400> 46
 gntgatgtan acagtaacac caccaccacc actgnancca ctccattcca tctactatct 60
 agaaagagca gttctcnaat gggaaatgat gaggtctcat gatgttgtec aggttggagt 120
 gcagtgggct attcacaggc acgatcatag tgcactgcgg actcaaactc ctcggctcan 180
 ggaatcctnt ngccttagcc tcctgagtag ctgagactac caaggctgag aaaattattt 240
 caagctaggc tggnaaacac acntgtaaat agtatgaa 278

<210> 47
 <211> 240
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(240)
 <223> n = A,T,C or G

<400> 47
 accagagtga aagacaaatg nggtattactt ggggtggctta tgaacagcaa ggaaaaactg 60
 actggcaacc gccatggaaa ggggtgtgaaa ccgtaaccac gaggactctc acatttacat 120
 gttactgact agcgaatgtc taggcctaaa acatctgccc tcttatagct gntttattat 180
 tatgtaaaca tggctacaag atttctgaca taaaatagta gatgactcag tgtcttcaaa 240

<210> 48
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 48
 gtgtcctctt gatggtggcg gccacactc ctgaccagag ccaatgaaga agagggcaga 60
 gcagagggga gaggggctca ggagtaaggc tgcaggaagc aaaggaagtg tcaactcaag 120
 agccacaaac aacatcagct gtgcacctgg caaagagcct gtgaatcctt cagaattgct 180
 attactaaag gcataccttac agtcaagtct ttgaacaatt tttcagattt atgtcatatg 240
 aaaccatggg acagacataa accaaattgt aaaaaataag taaatgaaca acaaaggctt 300
 taagag 306

<210> 49
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 49
 gtgggggtctt tcaggatgaa gtcattggag ctgaacgaat tggcctgaat cccaagaggg 60
 gagggttcag ggcgcgcgtg tccctcggag aggctgaggt aacgctggct ccttcccggg 120
 agtccctgaa cgcccggctt tggaaatctgc agacagctct tctagcaggg cggtggcacc 180
 tactgactaa ccgtgcaatc actcagcagc tgtgatgggt ggtgacatgt ctttcacagc 240
 ccaagatagc ctccctagac tgagc 265

<210> 50
 <211> 243
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(243)
 <223> n = A,T,C or G

```

<400> 50
tggggagctc ctgctttgnc aaaactcnna gacgtnantc aanatgcaag aggaccattt 60
cccatatggt tatgcctcca acaaatcagc agcaagcaca cgttgccctaa ccgcccacac 120
ccctccccac aaaccacctt ggaaaaatcc cggccctcaa attctctggg agactaatct 180
gactgacaat aaaactctgg tctcctgttc agctgccttt gtgcaaatta aagagtttat 240
tgc 243

```

```

<210> 51
<211> 181
<212> DNA
<213> Homo sapiens

```

```

<400> 51
gtgcaacccc cagcccagga ggagacttga ctcgcctgag gtcagctgga gccaggaaca 60
cctttgtgca acagctgccg tggcccatct gtgagagaca cgtggacccc gtgcctcgaa 120
acaggtcctg ggagtgggtg aggcaccatg atcccctcag aagattcagg gaaaaaaaaa 180
a 181

```

```

<210> 52
<211> 332
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

```

```

<400> 52
gcccctacaa atgcatggac tttgactctn gccagacagg accaagtttg tcaccatctg 60
gcaatcatcg tgaggccgga aggggagact ctccctcagag cacttggtat gatgtccctg 120
tgaagaactt tgtcagctgg gctggcgaaag tgggtgtgatt tccagtgtag actccacacc 180
tgaggtcctc aagcccagaa ggccctttga ggtctcacta aagagggggt agcagcaaca 240
tgggggagtc cttgggagct ccacgaatca gaatcctggg tctattattt atgaaggata 300
attattaaag taaattcctc tgtcttttag tc 332

```

```

<210> 53
<211> 461
<212> DNA
<213> Homo sapiens

```

```

<400> 53
tgattccata aatgggtcatt ataaaagaaa ctgcagaaat gaaaaaagct gtccatcata 60
attaaaggcc aggttggcac tgatcacaaat ctacgtgtac ttcaggatga atacatgacc 120
aacaatcttg tctggctctc ctctgttgga ttatttgatt gaatgacttt caaagcctgt 180
ctttgttttg tgttgctata aaggaatatc taagactggg taataactta caaaggaaaa 240
aagggtttat ttggctcaca atactcatgt ctggaaaagt tgaagactgg gcctctgggtg 300
acggcctcag gctgctccca ctcatggtga aaagcaaaagt ggagtgtcat gtgcaagaga 360
tcacatggta ggaggggaag caagagaaag attggggacg tgcccagggtc tttttaacaa 420
ccagttctca aaggaccag cttgacgaga actcettacc c 461

```

```

<210> 54
<211> 218
<212> DNA
<213> Homo sapiens

```

```

<400> 54
ataaggagga tcgttttgaga ccagcctggg caacaagagt gacacccatc tcagaaaaaa 60
tttcaaaact actcggccat ggtggatgat gcagcagaag gccttgcac agagggcctt 120
cttgatgaatg cttgttaagc atcttatacc agatgcaggc ctcttgacct tggactcccc 180
agcctccaaa actaataaat gtcttttctg tataaatt 218

```

```

<210> 55

```


<211> 633
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

```
<400> 55
ccaaactgaa acncctcaan accagtttct gttatattaa caccttggtg ccggcaatgg 60
atatcagttc gagaactaac cccaggggca aaaggactga catntgaaag cagcgggtata 120
taactgggtg ctntaagaat gagtnttatt acgccctctg aagtctagag cccactgaac 180
cctgaaggga gtaagacnga cgaatggaac tgaaaggctc atggcntatt cacatacttc 240
cgctgcttnt ctttgtgcaa gtngccgaag acatgccaca gntgctcgnc gnagtaacaa 300
atgggaacta cataagtga cctgtaaatc ataacaatgt taggcgatnt ctctttaaaa 360
agctgtaatt ctttaatctt atttgcccaa tgaatatata tatacatata tacatatata 420
tggtttgctt tgnttttttt ttttaaaana nagatttnnc ntttttnccc aaactggacc 480
canagggngg atttnaaatn acttgggnanc tccgcctttt gggttttaaaa naattttttg 540
ccccgggcnc ccaanangcn gggattacag ggggntgccn cccacncgg gggaaaaatt 600
tggnntnttta anaagggggn ggggttttcc ccc                                     633
```

<210> 56
 <211> 650
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = A,T,C or G

```
<400> 56
ggaccaggct aaaggaacag acaccacttt cagacgtggg ttctcaagga gagttggagc 60
tcaagtgggg acaaggccct tgcttgccac atcacgtaaa aatcttacgt gtctttaatg 120
cacttcacgt ccaggaacct cagcttcaaa gaaaaccaa cgctcatgct tcatttaatt 180
ccccttattc ggtcttccaa agaggtggag aatagctggg gctcactgtc ccagacactg 240
agatggcatt tcaagatttt ctctgcaatc tggctctctg acagacttga gcctttgtct 300
gctgggtccc aaccttggtt acacatcaga accatgtgct ccaggacctc acctcttgga 360
gtctgaggtt gagcccagga aactctatgt ctccatattt ccatccagac accctctctc 420
ttcatgaaac ccttgtaaat gtcttactca ttcttttagac atggcttaaa cctcagctcc 480
tccaagaagt cttncaagat tcaccagatg aaatgtatgg ccattttctc tacattcccc 540
acagaaccn gggttgaaact ttacaggctt aaacttattt ctatgactcg ctncactatg 600
cattnccgct tctatattcc taacacctgg ccagaaaagg gctaaaaatt 650
```

<210> 57
 <211> 196
 <212> DNA
 <213> Homo sapiens

```
<400> 57
gtgtttttca acgaagtgtt aaatttttcc tggttgattc caagaggaaa ccttcaggct 60
atatgtgagt ctccccacca ctagaactct taagtggctg ctgttatgga aggtcaggct 120
cataatcacc gcatattaag tccttaacag caatgtctgg ctcttcatta atctgtaaac 180
ttactgattt accgag                                     196
```

<210> 58
 <211> 415
 <212> DNA
 <213> Homo sapiens

```
<400> 58
ctgggattcc cgcaactgcc agtgggtccat ggtaccctca tccgcccaca ccctcaagga 60
```

tccagtgtcc	cacttgcggc	agccctgtgg	ctttgcctgc	acagctgaga	cctcgaaacc	120
cagctatgtg	gctccacacc	agacctacct	ttcttccctc	tgtggcctgg	actttccaga	180
gaacacaagc	aacaagaaga	tcacaaccct	aaggagggtt	gcaactgaga	aggtggccct	240
tcctgcagct	gccaggctgt	tatctgcaca	gagcattgca	gcgtgagcca	cctcagagat	300
ggcagggcca	gagcctaaaa	aagcagcatt	ggcacagccg	cagggatgga	tttgaggagc	360
cctggaatac	tcccccaaaa	atgccgcagt	tagaatacac	agcgtatcca	ccagt	415

<210> 59
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 59						
gttttatgtg	catttctctt	cacccaacta	gaagacagaa	gaaaaacagc	tacacaggct	60
tactgttctc	tctcgagcac	ttgcaacaac	tgtttggaat	ggcaacatag	atgcattgag	120
taataaagtc	acaacttgct	gccaatcatt	ttgggctaaa	taaagctaac	attccag	177

<210> 60
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 60						
aaaaaacggt	gttttaggag	tcggcatggt	aacagggcca	attcttttag	agccaccaag	60
cttctccctg	cagtcatcct	gcccattggt	gttgatggcc	ctgatggggc	ttggagcccc	120
canaatgtgc	agaanttgga	caaagggtgt	cttcaaattgc	aatggttgn	ttatnaccga	180
aagcccacgg	natccagagg	aggccctttn	ctncgaagtt	tacagagagc	acaggtctct	240
gtacgtccca	agtttccctt	gctgccaaat	gcaggggagg	agagaattct	ggaagccac	300
cctgtcccat	ggctcccctg	gcacatggag	ccactgaatg	tcttgtgaac	attaaacaaa	360
tgcttccaag	tg					372

<210> 61
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 61						
ggcctcctct	cccctgcccc	caatgccatg	cgagctgacc	ttggacctgc	gacccttgcc	60
ttcatctgtg	ccgagacctg	cacaaacagt	gatgaagcat	cgcagccgga	ggtgggagag	120

<210> 62
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 62						
cttctgttaa	gctacaatgn	nttnaaannt	tngtgncttt	ntttaccgcc	caantnaaan	60
gntttttttt	gcatgatcaa	gcctttcctg	atgcccttgg	tgagagggga	gctcccctcc	120
cctcagctct	ggccacagtg	tatccggatg	gccactgtcc	cactgcagca	cgtgggcttg	180
ttagctgtga	tggtctcctg	agggtctgag	ccacgttcaa	tgctgtgtct	aattcagctt	240
tgtatcccca	acatctcacg	cagtacataa	aacagaataa	acacttttgt	ttataaatg	299

<210> 63
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (358)
 <223> n = A,T,C or G

<400> 63
 caaanncngna atngaaaagg nnnngtcng ccnttgggga natcttntaa aattcagtga 60
 annaaangac gaanctacca ttaattttac catccagact gcaccaaaat gttaacaata 120
 ctgtntttctc tcctattaat aaacctgtac ttatatttta taaaattggg agcatatttc 180
 atactttttat aacttgtgtt tttcatgtat atcatgaaca ttttccaaga ttgttaaata 240
 ctctgaaaac atgattttta atagtaatat taaatatttg nnatattcct tttgatagtc 300
 cactattttat cctacatgat ctataacata agtataaata aaaacatttt accttcat 358

<210> 64
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 64
 acatggtgcc cttaagcagt gcgcagcctg tataattaca caaaggaagg ctggaaaacc 60
 agaatgttaa aagcccaaga agaagagtag ctccaaagat ccaggaagca gagcaccatc 120
 accaggataa atgaatttca actatattga atcactgcat tgttccattc aagatataaa 180
 ttccagagag aaagc 195

<210> 65
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 65
 aaattccagg gactaatatt gagatgaacc aggcatgaga ccaagctgca aaattccaga 60
 aatgacctcc aggttgtag tctacaaccc agccatcgtc aagataacat tagactgcgt 120
 tcagggtgga ccatgactca agatagccac cagaccaagg cacggacacc tagcaccag 180
 caccactcct gcatgcccc cactctaagt tcccccttat aaacacctct ccacagtcga 240
 aagtttgaaa tcgtctttta agggcatgag cttggccatt ccagatcctt ggcatttgaa 300
 taaagtagct ctctgttcat cac 323

<210> 66
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 66
 gaatgagagg gagaagaaag aaagggagcc tagacagccg agataagcca agaggagggg 60
 agtggagaaa ggaacactct ctgagtatgt caggcatttg gtacagaatc agagtcccaa 120
 atgggcacat ttgcttggcc aagcttaagt cacaggcttt tctaactgcc aaagg 175

<210> 67
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 67
 cctgacttcc cagacacctg aagtgtgggg ccacactgtc aagtcgcccc ttgtcaccat 60
 gactgggatg tatatcacag atctgcttca tcgcagcaca gtctggaagg aagcctggga 120
 ttccagggct gggagagacc tcgagagaca gtcaagctca tcaattcaac tgcaggcaga 180
 gaaatgcaaa tataagagct gattcctaag gtttcttcaa tgaataaaat tatacaaatg 240
 tct 243

<210> 68
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 68
 ctggaatggt aagttgagaa tttttcagca tctccctgtc tgccagatcc tatctgagat 60
 gcctacgcta agaagccaac acagagacac gcaatgcaca ctatcagcag gagtggcttg 120
 gaaattctga cttgtattga ttgagacacc ttcccacgaa gaaagatggg attagtaat 179

<210> 69
 <211> 160
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(160)
 <223> n = A,T,C or G

<400> 69
 ggcagcaaac aagagctctg aaaggggaag gaagccagga gaaagccagc tccattagtc 60
 acgcagcagc atatcctgtc acaaaggacc ccagttgagt aatcgcccaa aatatgcctg 120
 ttattttttt ctgtcagaaa aaaaangggg cctgccaaaa 160

<210> 70
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(585)
 <223> n = A,T,C or G

<400> 70
 ctttcaacaa atgacacctc tcctctgctt caacttcttc aagactttcc acacagtggg 60
 agccccagag tgtgagtata agctgtgttt atcttgacag ttcaagcaaa tcctactgtg 120
 gtggggcaga ggaccttgag aaattgaagt tcttggaata taactcatct tcaacctaaag 180
 ggattagggc acctgagctt cgtctgaaaa gattgagcct gctggattga tcagcaattt 240
 ccacatcagc aggaaatgtg ctgaccttac tttttctaag catttgcaga aaactgggtga 300
 agaaaaaaaa ggggggnntnn tttncnttna tnncccnntt caaatttttn aanannacna 360
 agggngaata ganagttggg ggttncaaaa ccaaagggnnt tgccaaactg ggnttggggg 420
 aaatttttgc agncaaacc aaagccttg naaggcctaa aaaatttagc gngnggcccn 480
 cccnnnganc ggcaacntna aanaanggcc ttngttcctt ncccccccc ngnnccgttt 540
 aaaaaaaaaacc cgngggggtt tnaanngttt nnttgcccc caaaa 585

<210> 71
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 71
 accaagagag ttctctgcca tgaaaagaaa atctgagggtg aagctgaagt tgacaaagtt 60
 caatctgaac ttaagaccaa ggacacacaa catgagcact tactttgaca gttctgacat 120
 ttcttcacaa taaattctct tcctatcaga caattcatcc ggcaaatac gaaatattaa 180
 ttcttcggcc agaacagtta tgtaaagtt tctgcttgcc aataactgta aaaaaaaaaa 240
 gtcaaatgat actgtatggg aattgattct aaaggacgaa gcttccgagt ggaaagggtga 300
 acaaggaggt ggtgggtggg atctctgagc aggtagaag gaaaagggat ggagagagag 360
 gcgggccagc ctgtaacaag agcaggggca gccctccac tgtgagaaaa ggccaggagg 420
 aggcgttcac ctggatgaag gatgaggcaa ctcaatcttg acagcatcta cattttcaac 480
 caagtgccat gatgttggtg agaggggagg aagtgaagta gggcatgttg ggagaggaga 540
 gacttttgca atgatcagct tggaaagtga agactggact actaaaagaa agaatgtaag 600

aatgattact tatgttttga gtctaaactt

630

<210> 72
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 72
gatatggaca ggagacggaa atactgggta gaaaagggca gttccctggc aaagcctcac 60
cctcaagcct ggatacctgc tgtcttaaac gaaaacgaaa acaggcattt ctgtgttcat 120
gctccaaaag ttatcttttg gcttgccaca cccctatnc tgcccatat gaatcccgaa 180
ccccatactt caaaagccga ccaacnagcc cccanaccaa canaaggntn gcngaaccat 240
ntngcaaaana aagggganaag aggaggaaca tttgaatncc naaatgagtt canctngggg 300
cngtcagana ggagtccanc cnctgggcng ccngaattca agggaggatc ancttttctt 360
ttattccctt tcttttgctt cccantcatt ctngttgaag gcccttcncc ncttcattaa 420
aact 424

<210> 73
<211> 410
<212> DNA
<213> Homo sapiens

<400> 73
gagtaagaag caaagacggg tgtgggcatg tgactagagg gtcctgagga gcagaagatg 60
agttgcatgt gctacgatcg cctgtttgac ttgcaaagca catggctctc actaacatca 120
gtagaatctg aatccatgga acagatcttt gtcaattact attgttatta gttttccttt 180
ttatctgata gttcagattc tgtaccctct tcagggtttcc agaagatttc ttttcctgta 240
aatcttgatg agaggcaaaa cttgcttccc actgtagaag tgggaaggctc atttcccagt 300
ctcccttgca gttgggggttc agaatatgac tgagctcttc ctggcagatg cacccttcta 360
gtagtgcaaa gaagctgtga ggaggaggaa cattgctgga ggttggcggc 410

<210> 74
<211> 337
<212> DNA
<213> Homo sapiens

<400> 74
acaatgagcc ctgaatcctg ctacatcaga gagaacaaga tctttgcttc attccctgtg 60
gtaattacga ggtagaaaag aactcaccag cgaaaatttc tggacctgat gcctttataa 120
acgggtggcaa gtgctgctgc atttcatggc ctcagatcaa aatacaacct cattagctgc 180
tgtgaacaca atgttcctgt tgaagaatag aatggaatgg agttaagagt gtagaaggctc 240
tgatgcaaat ttactcctac tcctattgac aaagagtttg aactactgaa tttgtatatg 300
aaagtcaggg catcctattg ttttcagttg tcataag 337

<210> 75
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(150)
<223> n = A,T,C or G

<400> 75
gacgtctggg gagctcctgc attaagtcag aactgagtgt tttttaagca aaaaagaaaa 60
aaggaaaaaa ggggaggaat gaaagagaca gagccggcca ctacctcatc tagcaaatag 120
aagcctcag acacttanng anggnacccc 150

<210> 76
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 76
 gaaatcgaat gcctgtcttg aattcatgtg aagcacagag gtgccagatc tacagtataa 60
 tgaagaacta aggctgcaaa tgcgggaatt gaaagaacca tctttaagga aaggatcacc 120
 actccaagat ttaacaaaaa tataaaaaaca ccttccgtgt tgcttagtct caaagaaagc 180
 ctgcaaatat ggatactgaa taagctttct caaggattct tctaaatcca gtcccatctc 240
 tgtgggacgc tcatccctgt tggccatttc catctgaatc actcctcctc ctgagtttaa 300
 taaagcacac gccgggccc 320

<210> 77
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 77
 ggttctttga gaggaaggtg gaggggagcc atcctaaaat ttgcagcaga gcctgggtctc 60
 taacacagcc tcagactgtg gatgaagcag atgacctgct cagctttcct tccaacattg 120
 ctgtttgagc gcatacagcc ctttccttgt tttgaagacg ctagccagct cagccagaga 180
 tgctctttgc caagtctgca gtcttgggat tagagtatgc actttaacaa atcttccttc 240
 ttgagcagaa tgtagtggc ttgcttcacc accattcttt cctacctcca aaggctgcca 300
 ggcttgctaa atagtgatta aacaaagatt aaaattcc 338

<210> 78
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 78
 tcggaattaa atcattgatc ccagaagaaa gggaccacca cagtgtctacg gaaaacagga 60
 attgtgagaa gttatgggat ccatttttagc ttgatattact cacagactcc ttaagcacac 120
 ttcataagat gaggaactg agacactgga agaggaagta acttgcccaa tgtcactcag 180
 ccaggaagag gtggaacca gcattgaaat ccagacagtc taactccaaa acaataaac 240
 aataccacca cactttttatc ttctaggcta tacattttcta atggccaatg aagaaaacna 300
 actgaaaaca aaattccttc tttctgntct tgnttattnc taaaggggtg ncttttagct 360
 catggtngaa aattaaagta gtaacatggt ttcagt 396

<210> 79
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 79
 atcttcactg aggtggagga gcagtgcagt ggccaagaga aagatgggat tgacagaggg 60
 aaataaaaag aactctgata tgt 83

<210> 80
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(314)
 <223> n = A,T,C or G

```

<400> 80
gtcattttaca acaggaatta aggacaccga aaaaaaatct aaagaaactg agagggtggaa 60
ctgaaaatac agaagcagat ttgtgggtttg gaagggagct agncctcatg aaaaacagca 120
acctggcaaa cactattttg gaataccgtc attttcaaaa tatacatata ttttttaagc 180
ataaaactgc atttgaagtg gaaattaacg tatttggttt tagcacctca gctaagtatt 240
taggatgcaa aaaaaaaatn taaatttttn tggaaaaaga atcattcaaa taaaaaccat 300
taaaggggaa aact 314

```

```

<210> 81
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

```

```

<400> 81
ggacgggggac acgagaaatt ctagccagaa aagtgtgggt cactgacaaa ccgccactct 60
caagccaaaaa aacctgaaac cacaggccaa agtgagagct tatatacctg ttttcccact 120
tgaatgctgc tttttcctca accacccttg gccccgcctt gcgccatcct gtgcctatta 180
aaaccccgaga ctacagctagt acatgggact atgggtggac gtggganaaaa agcagcttga 240
cttcagaagg acagcttaac agcgtaactt cggagaagaa tctggctgga gatgacctga 300
cttnagggga aggnaatctt cctacccctt tcgatttaca aggtcccttt ccactgngag 360
gcccttttat tttgccataa aa 382

```

```

<210> 82
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

```

```

<400> 82
gtggatgaag ttgggtgctt cctgtacatt gattttgctt ccttctggct caccaagaaa 60
atcaagacca aaaaagtgc tgaaacccaa ttacttgggg aacagatgaa gaggatccca 120
agcaatgggt gagtctcctc catgggtcca gaactcacag gatagcccct ttctcgctgg 180
tccatggctc ctgctctgat tttagtatct gggtcctggg atcaaataac atcatctcct 240
ccctccatcc ctccaggact aagggtagca atgatttatt cttctttgca gtctctgagt 300
cacatcagnt cccttgcttg ctttctcaac ttttctatta tctatgg 347

```

```

<210> 83
<211> 260
<212> DNA
<213> Homo sapiens

```

```

<400> 83
acagagaaac ggaggcacag agaaggaagc ggcagttaaa gctgcgaaga acctaacaaa 60
tttcaagact gtaagtgcct tttcccagga tgccagcaag tactgagcct gtattttgag 120
ctgcatcaaa ccctgttgga ataaaaaagg acatttctag gagatcagtc ttcaagattg 180
gccccagttt cccagagta ggaagaggca ggaagccaga gcacatgttc tctccagaaa 240
taaagttggt gcagtggcct 260

```

```

<210> 84
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1) ... (169)
 <223> n = A,T,C or G

<400> 84
 atnctgcaag gngtgngtgn ncttcccanc catggattac aggnaaaaac ttgactgcat 60
 gtgataccttt gtagttaata acatgatgat tgtgttttca cactctcgtg tgagatatgc 120
 ctccctcaaa tcttggcaca ttacccatct gacattaaaa aaaaacaac 169

<210> 85
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 85
 cgctgcataa ttgtaccatg agccacgatc ctaagtcaag agacctttct ctcaccagtg 60
 cagatgattg ctccctccag gtgtgtagga gggaggatgg catggctttc atcaaaccgt 120
 gagctttttc agaacttcca acccaccata aagctcatct gaagaatgtt tgcttttccc 180
 tgtcaaatat ttctctgatc caaagtctgt taacaattta aacgtcaaat cccctctc 238

<210> 86
 <211> 634
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (634)
 <223> n = A,T,C or G

<400> 86
 agtgacatgc ttgaggaaga gtgatgaata atactgagga tgattcaacg tctcttggtt 60
 ttactttctgc accacccaaa cagaaaataa ttagacaaga acattttctt ttctatatca 120
 gtgtcataac atgtattatt acagtgcggt gtaaccacat gtcagaagag aatgtgtagc 180
 tcaaaacacc gaactagggtg gagaggccga ggccttaatt ctccaagaga ctgggacctg 240
 tgctggggtt tagcgctgtg tcagcgtcag aatcatcagc tggctgtgag cctacgtgaa 300
 tttttctcca ctcaatctca tcatccttca gacaggcgga gagagcggga tccatctatg 360
 agatttctct gctgagaaat ctccctccct cctccaatga agcaacagca ggtcatatct 420
 gaatgcagaa gcatggcctt gtgctgggaa aacacatcct ggctgtagag ctctcaggct 480
 tctagagtca aagccaaggg ttcaaatact ctctgnctta ctcagaagcc acatggctct 540
 gagacagtga aagtaactct gtgaacctca gtttaccat ctgtaagatg gggatcataa 600
 tgtaaaaaga tggcattaaa acttacattg ggaa 634

<210> 87
 <211> 180
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (180)
 <223> n = A,T,C or G

<400> 87
 caggccttgc ctcatacaagg tcagagcagg gcttcagggg gnttaccntg gatangactt 60
 cttnnantng tgnngnncnt gnctaccttt tgagcaagtt cagcctgggt aagtccaagc 120
 tgaattggcc aattcttttg cnntttaccg tggaagaaat actcataagc cacctctggt 180

<210> 88
 <211> 386
 <212> DNA
 <213> Homo sapiens


```

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 88
gcagtccttag tgggtgctaac aatcaagtgg cttgccttgt tctgacctga gtgttcgcca 60
aacactcccc aggctacaac agncgcgctc ccctctgaaa tcaggacaca agaattgaaa 120
gaaactggaa cagatacatc acttaccctt ggcatccaga accccagagc atccttccca 180
caaattgggtt ataacaaatt accacaaact cagtggctta aaagagcacc aattaggggt 240
ctagcatcca aaatatataa agagctcttt tttcatacat atccatacta tataaagatc 300
tctcacaaca acaaaaagat aaccagccca atttttttaa aaaggtcaaa aaatggaaat 360
ttcctcaata aagatatata gtcaac 386

<210> 89
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 89
ggaaacagaa gacttttaaaa aaagaaagga agaaagaaaa agaaaccacc aactctgcaa 60
agttctctgg aatctgagaa gtcaagcagg gcttctgcct tgttcatggg gaggctaaac 120
tgtgatttcg tctctagaca tgacacatca ggcatgcctg gatctgggtt ttctgccaag 180
ccttctgaca gtaacgcagg catttgctag tgtatatgga ggaaggctga cttgaagtcc 240
ccagtacatt tcaccagtg agaagaggac aacactgact ccagaaagcc ttttgctgac 300
ctgctctttg aaaccagtg gcctgccagg aatcctcgcc ctgtgccccg cctacactca 360
tccccaccta cctgtgccac tctgcccga cagcttcagt caggtcctca tccctttctt 420
cacttcatta ccactaaaga aagcctcctc ctgggtcccc atgctccagt ctggctccct 480
tccgatgcat ctcccctgca gctgtcagtc attgntctaa aatgcaaadc tgaccatgcc 540
actctgctta aaactcttca atgactatgc taacattaaa gatgaagcag attcc 595

<210> 90
<211> 159
<212> DNA
<213> Homo sapiens

<400> 90
gctgtgaaga gctcctgggt tgctgaacaa atggagttgc tgcaaggatg ccatgcctgg 60
agagggcctg gaagccctgt gccacacccc catgccttgc cctatgtaca ttttcatctg 120
catcattggc aacatccttt ataataaacc agtaaaagt 159

<210> 91
<211> 555
<212> DNA
<213> Homo sapiens

<400> 91
gtgctcaatt ttctactaag gttatgtagt atctttataa acagaaaaag aagtattttt 60
aaccttttagg aaattctttt ggcttctgga ttttttccag tattttgaaag tgtttcctca 120
gaaaagattc gcagaagtaa tattagttca agagctcata agacattgag agaatgaaat 180
aacacccatg taaaagaacc taatctagtg cctgggacat ggcagatgct caaatgttgg 240
atcttaaatg gatgaactgt caagtcatca aaacagggat tcgcttaaaag aacatagtgt 300
tctgccttct agctaagaag cattcgatcc acttaactga attgtgaaac tgcaagataa 360
aggataaaga gcgctgaact gggcctccat aaaagtgaac cacagatttg ctcatgagct 420
gtgtgacttt ggaccaatca cattctctgg gcctgtggcc cacaacggat gagtcatgaa 480
catttatctg tatgtctgtc atctccatta gaatatgttc atataggatt atatgtccgt 540
gaagacggga cctgt 555

```

<210> 92
 <211> 322
 <212> DNA
 <213> Homo sapiens

```
<400> 92
tttcaggggt aatcttgtga caaaccaggc atggagagct agctgtgaaa ttccagagat 60
gatctcaagg taattagtct acagcccagc cactgctgag atgacaccag cacacgctcc 120
aggtggacca tgactcaaga cggccaccag aacaaggcat accgacctta cactcagcac 180
catgcccgca tgcctccctc tccaagtcc tcttttaagc ccctctcccc agcctaaagt 240
ttgaaatgtt tcttgtaagg aatgagcctg gccatttccc caaccgctgg cttttggaat 300
aaagtcactt tccttttact gc 322
```

<210> 93
 <211> 634
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

```
<400> 93
aaacttggag gctcagaccc tggtttaatg tgtccttctc ttactcctga gttgcaagca 60
gtaataaaaag aggggtgggtc gtgtacagta ctcgatcagc ctattccact agatagattg 120
gtagtcaaaa gtattgaacc actccatgtg tcagtctttg ggctgagaaa tgcttttctt 180
atacaacacg aaaacagata tcgacagtgt atagcagcat tcttattaca agcccaaacg 240
gaaaacatca aaaaaacatg gatggcacia ataacaactg caatttcttg ctttaccag 300
agtcaggaaa ccaagaaaat atcttttatt acattgcccc cagaatcctc tgaaatttag 360
ggacctaaaa caagtggcat gtcttttttag aagattatgg tttaagggtat aatttcattc 420
aaagttttgt aacacttagc tagtgataag ctaggaggaa atttgcatth taaagaagtt 480
tcagaatttg aaattttgag ctaggaaaaat cctcagtagt gaggaataat gactgcaaca 540
aatttgaact ctgaggaatt tcttgacaaa tatatactgg catccagatt accttcta 600
gctttccgtc angtttggn aagaggtgtga gtga 634
```

<210> 94
 <211> 345
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A,T,C or G

```
<400> 94
gacaagctgt gaaatgccta gattccagag caacagactg tgatccattc ccaacaaccc 60
ctccctaccg tctgccacca gttcccttaa agcaggaatc agagctagac tgactcaact 120
aagaattggt ttggagaact tggaaactcaa cattccanaa agcaagaagc ttgacatagc 180
atcgatgagc ccaagtcaac tatatgaaca aaacaatgtc tcaggagggg caggggatca 240
cgtcagaaga atcctgagtc cttagatgac cttgtagaaa agagccacaa acttactctg 300
ggctaccttc atacctctga actattatgc agagagaaat aaatg 345
```

<210> 95
 <211> 256
 <212> DNA
 <213> Homo sapiens

```
<400> 95
ttcatctggc tctccatgaa tgtcctgctt ttctggaaaa ccttcttgct gtataaccaa 60
gggccagagt atcactacct ccaccagatg ttgggggaac tgtcttgaaa cctatacatt 120
tcagatgggc acccagagag taagacctca cctcgccccct caagttgctt acaatataat 180
```

ggaaaaacca acaaataaat aattataatt caataaaciaa gaaaagggtt cttctaataa 240
acacatgagg tctgat 256

<210> 96
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 96
agacactgct agcagtcacc tagaggacgc tgcattccag tcctggccat ctctctctggg 60
tcgctggcct gtgcgccccaa ccacagaagg ccgagggtct ctgcttcctg gggaaggatt 120
ctgggaatga tgagtacctc ttgcttcatt acaataagac aaagaagaat tttgggaaac 180
tgtgtctggg gaaacaaaga aaaaataaaa ttatccttta gtanaaacag aaaaaaaagg 240
c 241

<210> 97
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 97
gngtttngcn aantccagcc tgggaaagct ggcagaggat gcaccgtggt ttactcacct 60
gagtgnnttac aatgctcgtg aggtgcctcc ctgatagtag agagggaatga agaaggaata 120
aacagacctt ctggataatt gcatcagcct tccccactat tccaatgcca tgctaactatt 180
tcaagtagtg tcccttttgt cttgccgaga aaaaatcatt tcatgattta ttacactgga 240
ttaaaggcta tgcacactct gg 262

<210> 98
<211> 155
<212> DNA
<213> Homo sapiens

<400> 98
gtgctatcca acatggacgt ctaatcttta tgtaatttct tggagaagaa acacctatca 60
gttggagagt gtgtaaccac tgcagaggaa ctctacgct ggaatacaag cataggccaa 120
aacctttctt gctcagtaaa actcaatgta gtttag 155

<210> 99
<211> 242
<212> DNA
<213> Homo sapiens

<400> 99
gccagctacc tgaggaagtc caactaccct gaaaccacca tgctatgagg gcgccccaaac 60
ctgccaggta gaaaggccac gtggagaagc actgaggtag cagacatgtg agaaaagatg 120
tcttgacact tccagcccag ccccgccacc aactgaacac agggaccagc caacacccca 180
tggaacagaa ttgaactagt caactcatgg aatcttaaga aacaataaat tgttggtatt 240
tt 242

<210> 100
<211> 54
<212> DNA
<213> Homo sapiens

```

<400> 100
gaatggaaac tgaaagtgga aatcaggaaa aggtaatgga agaagaaagc actg 54

<210> 101
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 101
gtgaaaactg aggnanagag atggacgtgc aggatagaag gngatnnatc naaggacaca 60
ctgctggctn taggccgagt tgcagntaaa atgaaganct ccngattcct ggcctcatcc 120
ctttctcctt ttgnatgtga tttacataca aatntatata gaaaaccaag anaagtttta 180
ttttaaaagn actatcctta ctatgtgtga caaactaaca ttttctattg ttcttttatg 240
aattactagt cacaactcat taaatccatt 270

<210> 102
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 102
gcanancaca gnatggtgac actgncctgc ttcatgaaca cagnaaatgt tgctgagaga 60
tcatggcatt ttctctcctg ctgagactaa gctgggcttc taaaccttaa gagaacactc 120
caggaaactt catctaattg ggtttactgt cttggaatca gatgattatt aaaatgcttc 180
caattgtatg tagtatatat gatgtagtat actacatggg tgtgcattat agttaattac 240
atacacacat attttggctg tcaaaagatt ataaattcct atagact 287

<210> 103
<211> 535
<212> DNA
<213> Homo sapiens

<400> 103
tttttcataa aggaaagcag catgctgtat agatgagaga agacatccaa aggaagaaga 60
tgcaagccga aaaaaattca agcctcccat ggcgctttca gaacataccg cagatctcat 120
gtggcacagc cccagcctg ctttaaaaga gcccatagaa gagaaatcag ttgctgcttg 180
ttgtgtctgg gagaataact aatctcagga ctcttggtca ggtgtcctct tgatgggtggc 240
ggccacact cctgaccaga gccaatgaag aagagggcag agcagagggg agaggggctc 300
aggagtaagg ctgcaggaag caaaggaagt gtcaactcaa gagccacaaa caacatcagc 360
tgtgcacctg gcaaagagcc tgtgaatcct tcagaattgc tattactaaa ggcacacctta 420
cagtcaagtc tttgaacaat ttttcagatt tatgtcatat gaaaccatgg gacagacata 480
aaccaaattg taataaataa gtaataaaaa caacaaaggc tttaagagat tttgc 535

<210> 104
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

```

```

<400> 104
ttcctaggcc cagatgtcca cctccttcca cgagctnaga attgagctcg tatcgccaac 60
atgtttttgcg gaaatgctca tatcaacact tggatgaacca ggaagactgt accctcattc 120
ctttntcctg ctgcctgcta gggtgngtta gaaagcttac tctcgagttt tactggcttg 180
cttgtgcttt ttggcatttt caaaattttg tacaatgatc ttcaaaaagc aaaaatacat 240
taattttttt aaaggtagga tccatatgan atnggatctt catcttctaa cactttggag 300
aacagaaaag tggatatttg agatataatc ttcataagaa ttgnggcnc c taataaaaga 360
gccctggaag aggaagaaa c 381

```

```

<210> 105
<211> 177
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(177)
<223> n = A,T,C or G

```

```

<400> 105
cagaaactga ggtacacaga agaaaggcca tgtgaggaca cagcgagaag caagtatctg 60
caagtcaana anaaagggct taaaanaacc ccacccttgc cgcaactttg ntctttgctt 120
tctgggcctt ccagaaactg gtggaaaaga agtaaaaatt ctggttggtt taagccc 177

```

```

<210> 106
<211> 245
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

```

```

<400> 106
ggggagctcc tgcattaagn caaaactnac aaagggttggg gnnaaacnct ccactcctgc 60
tttcatacca tttgaagttc agaccagtga gatttccatc agttgggagt ngaagatgcc 120
acaaggacaa gaactgagga tggtttgctc agagctgatt tttagacacc attttccagg 180
gatccctggg gacagaggag catttttntt gtgggttgagt tctgaattaa aaagtgtcgt 240
actat 245

```

```

<210> 107
<211> 195
<212> DNA
<213> Homo sapiens

```

```

<400> 107
gaatttgccg caccacaggg attggaccca ggtcacaacc aaggaagctg cacaagatct 60
gaagtgttag ccatctcttc tcaaccaa atgcatgtgtg agtcctcata tgctgggggtt 120
cttgcaaata acttccatgt agaataaaat gcttattaaa gggtcagtaa taaaatgtgc 180
tgttttgaag cgtac 195

```

```

<210> 108
<211> 160
<212> DNA
<213> Homo sapiens

```

```

<400> 108
gaaagaaaaa taaacatagt catcagcact atgaaggatt ccaggaagtt tgacatcaga 60
gaattttctca actctaaaat gctggaaacc cctgcctcca cgctggaggc cgttttgatg 120
tccccttggt acttttgagt aaatggaaac atcttttcac 160

```

```

<210> 109

```

```

<211> 155
<212> DNA
<213> Homo sapiens

<400> 109
gaagctcttg tttgaccttc tgaaaaaaat cttgaagtat ctatgagaac agctattata 60
tgaagcagag attataatag atatggagtt taagttgcag aagaagaaga ctgaattatt 120
aaatgggaca tcagaaaata aaagtctttc cttttt 155

<210> 110
<211> 346
<212> DNA
<213> Homo sapiens

<400> 110
atttcagagg aagttgtcta agatggtgcc aggtcaccag aggtgccaat gcaggacaca 60
ggcaatgccg tcaaggttgt atccggtgag gatgaccaca agcaagccag gctcatagcc 120
taaaggatac acctgaacgt gttcgctgtg aggaatgggc cagaggatta tgtgatgttt 180
catatTTTTT ccttgggact ttcagatttt tccaagtttt ctgccctgag atgcattact 240
gaacttctgt ttttctcttt actacactgt gaagtaaattg tgtgtgatga gtcactggcc 300
tttgccaggc tgtgatcttc ccaagaatga agtccctatt taattc 346

<210> 111
<211> 275
<212> DNA
<213> Homo sapiens

<400> 111
gtgatgtgac ccagcctgtg gcttccactg ccatccacac acgtcgctgc ctctctccac 60
atcagcatcg caactatctc ctggaagctt tccaagtgtc gaactacagt aacctcagcc 120
gaactgctgt tcattcacc cagaggcttg cccctcctct gcatctttgt gagaacctga 180
gagtcacatc aaactcctcc ttccacctca ctccccacat caaatcgatt accaacttgt 240
gctgatttta tcttcaaata ctctccagaa ttgtc 275

<210> 112
<211> 205
<212> DNA
<213> Homo sapiens

<400> 112
gaggagaaaa gagaaaggaa ccctccatt catccttccg tatcactact cagaaccaag 60
tacctctgct tctaaactac atcagggagt gcaactccca tggaaacaca ggacaagaag 120
aaatgggaac agatatttaa gttaaattgat ggcaaagaaa tttggaaaag gtaaaaagtc 180
agagaaagag aaaacaatgg tggac 205

<210> 113
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 113
gcaggtcagc tgggaaaagg cgaagggatc ctgagacaat ggtggattgc tccgaacagg 60
agcagcctgt tcggggccgag ctccggttcc ctccgagagc ggtttgcaaa tttctcctaa 120
tgtgggagac tgggtcacca ggccaagtgg cccccactgc cccttctcaa ggcactgtga 180
aaccaaatgg aatttgccac gaaagtggct cccggggggc ttgagaaggg atcagctgag 240
gaagctgcaa agctggtaac aggagggcac aggcctgagg tggcgaacaa gcaactgctt 300
gtctctgcag agtgatgccg gctcaaaatc gaaccactgg ggcttcaaaa ataaaccaac 360
gctgcctgaa aacacaactt gcagaaaaag aattgttctt gaaatttcta ttgtgaactt 420

```

ttaggggnacc aaacttttga aaaatccaag tttttntgca ntttggccaa ncaagggggc 480
atgaccg 487

<210> 114
<211> 251
<212> DNA
<213> Homo sapiens

<400> 114
actgagggat gtcaagcagg tccccagaag aaaagagatg gcatgcaatg taaagaagac 60
ggctggagct gaatcagcca tctttgacta tgggtgttgct ctgagaatgg gatttgcaca 120
aggctaagta acatcataga agtagccag gtgcctgagg acttcaaaca cccaagcctc 180
cactacagcc tcaatttcct tccttacatt gtttatgtga gaaagcaata aacttctatt 240
ttggttaatg c 251

<210> 115
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(139)
<223> n = A,T,C or G

<400> 115
gngaggncac agcaatcctc cngaggatgc agnngcaaga caccatcttg gaagcagagc 60
agccctgacc agacaccaga tnggncagnc cattgatctt agacttncca gccttnagaa 120
ctatgaaaaa taaattggt 139

<210> 116
<211> 489
<212> DNA
<213> Homo sapiens

<400> 116
tagacgactg gtctttgctg gcccaaactc tcaaccttgc caagacaaca atggcagatg 60
tttccatatt ggagaggcag ctgggggaagg ggatggaagg caagaagaaa tgatagataa 120
attggtctat agtcaagtaa attgccactg tagagacaag agatacaact tgtaacacag 180
ctggcctgga ctgacagaag attcagtaac aatataaaat agcaggaatg atggagctgt 240
aactttgtgt gattcctcaa catctacctg gaataatcaa ccatcttcag gattgcaagc 300
cccaccactc ctgtgttgct ttataatcaa aatgacacac ttgggcagtt tctccaactg 360
cctgataaa tcagttttca aataactaagg tactatatgg catggtgact ttaccattac 420
tccagggtgg gaagtgactt tccactggtt gcggattacc aaagggaata aagcatattt 480
gacagtccc 489

<210> 117
<211> 614
<212> DNA
<213> Homo sapiens

<400> 117
gataaagaaa gttcctctga gattaagact gagaaaggtc ttaaaagcca agactccaaa 60
tggcatcagg aaaccaggc tcttcgaaat atgcagtgaa aaatgaaacc cttgcaagat 120
gagacatttg ataaagaaga aaacatcaaa ttttcttgaa gctttcctct cactgtaact 180
ctgcctcctt ggattgaagc tacagagaag aatgcagcct gcgggtgctc atgcctgagc 240
atcatctcct cttttccacc tgctgagcta tgtctaaata gacatcctct accttggcc 300
caaaactttc tgttcctgaa tagaaagaac attcttgtca tatcaagagt tctgggatat 360
tctgggagca gtttagagct ttcaatcagt ataaagtttc ttttctcatg aaaagatctt 420
gccacagggg atgagaaaca agctattgag catctaatat atgtgtatac catgctaata 480
aattgtcata cttcaagtct atttaattaa cagaaacacc ctccaaggaa gtcttatccc 540
ccctcaatta agtagattaa aaataaaccc tcttgggaga agataagggtg actgagctta 600
taagaagagc ccat 614

<210> 118
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 118
 gtagagaaat ggagccacag atcaagggtca cccagtgtgt gagaagcaaa gtctggagct 60
 gaggcaagtt tttcaaattc ctcattccaag gctttctctt ggaaagccca aagcttatta 120
 aatccttaaa gggc 134

<210> 119
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 119
 caaaatgaca tgaatgactg aaaaagcatg tggagcacaa gactcaagaa ctaagtgaag 60
 ggactcacac ttcctgattt caagtaaagc tacagcaatc gagacgtggc attgatgtaa 120
 gaatagacac atcaatgaat gaaacagaat acatcttcca gaaataaatt cacacaaata 180
 t 181

<210> 120
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 120
 gctttttccaa aatgtgaggc atatggaaaa ttcaggcaac accctgttac ttactcatca 60
 ctttaagccat gttttggctc agaagatacc aagcaaagct gaatattact gtatttcaga 120
 aaggggagta tttcttcagt gtcattcttg ggggtcttca taaaaaatga ttgacagctg 180
 ac 182

<210> 121
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 121
 gtgtaatttc tcagaataat tttactctct gatgaaagga gggaataagg taacgagatg 60
 ttccctccct ccttctcac attggacctt gtgtgaggac gggacactgg agctgctgtg 120
 gccacctgga ccaagagaat caaggaggag ctgacccaaa ccctgatgct gcaaagccat 180
 tggccagcgc tggcattgtc cgcctctgga gtccttggtt caagagaatt ataaactcct 240
 gttgttgaga ctttgagacc ccatggcgga gacggagggt ccttccactg cagcaciaaag 300
 tggggcactt gcagtcacat cgcctgtgtt cacggtggag cggatctact gccctttag 360
 ggctgatgca ttgcaagggg ctgaacctcc tgcactgtct cctcttggtg tatggagaag 420
 gaca 424

<210> 122
 <211> 197
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(197)
 <223> n = A,T,C or G

<400> 122
 tgcggaaatg ctctatatca acacttggcg aaccacggaa gacnngcncc ctaattcctt 60
 ttctctgtgt gtctgctagg ttgagttaga aagcttactc ttcgagatac tactcggctc 120
 gctatntgnt tnttgccatt nttcaaaatt tnggtacana ttgattcttc aataaaagct 180
 nnaacatata attaaat 197


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<210> 123
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(146)
<223> n = A,T,C or G

<400> 123
atgacaactg gagtctggaa gtacagggaa ggagaaaagc ccagcgcatt tctgaaaagg 60
ggaaggagca tggccctgca gctttntcta gatcctgggt ctncagcatg ganggaaaa 120
catctcatcc aatcaaaatg caagcc 146

<210> 124
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(229)
<223> n = A,T,C or G

<400> 124
gaaacgacna ngccnaatag aaaatthttct aaacccccat gaagctagaa aacatggatt 60
agtatgagat gagaaaacca aggctaagag aggacaggag tatctcttct ctacacaaag 120
ccacttgagc ccatttgaaa tgtaactttt gccatggaag aattctacca acacntttgt 180
cgtcatttaa actaccctact aaataccttt tctatthttt atactattt 229

<210> 125
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 125
ngcgggtgctc caggtgtgaa tggagacgac ttcgagctca ctgtgctgag aaactgcttt 60
tcagagggct tctacagagc ccacagctca tcttctagaa gtcactctata gctactgtca 120
gtttctaggc ttccaaggac acccttcagc ctactgcaat gcagcttctt accctactcc 180
tccatggaca gatgacatcc atttctgaaa tccagggggc acacttcaat ctatctcatg 240
aggatatctct gcttgggtgga caccgatgtt ctcccttctt gaagactctg cttctctgac 300
ttctgtgagc atagcctctt ctggtcactc gttctctggc atagacttct tctctgtggg 360
ctggtagcga acagtggggc cttcagcatc attattgctc aggtcagtac aaaggaccac 420
ataagggagt atgatagtga ggagccaaga tctcagagaag agatgatagc 480
agcctggaat ggtttggtgc 500

<210> 126
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 126

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actgaggtgg	atgcgnccat	cttgggaagcc	atgttaaaga	aggcagagcc	acaagataga	60
tgcagccggg	ttctctaaat	caccactggg	gagaaaccca	cacaccaatg	aggaataccc	120
atTTTTtTgga	ttttaagagc	aagaaataaa	cttcaattgt	gttcagc		167

<210> 127

<211> 63

<212> DNA

<213> Homo sapiens

<400> 127

accttcgggc	aaggaccttc	acaagggatg	cagtacatgc	tgttgaagaa	gaaaaaaaaa	60
aat						63

<210> 128

<211> 340

<212> DNA

<213> Homo sapiens

<400> 128

cccaagctgt	tggccaagga	gcttcttgac	cttgtggctt	ctcacttcaa	tctgaaggaa	60
aaggagtact	ttggaatagc	attcacagat	gaaacgggac	acttaaactg	gcttcagcta	120
gatcgaagag	tattggaaca	tgacttccct	aaaaagtcag	gacccgtggt	tttatacttt	180
tgtgtcagag	gggatgccac	ttgaatctcg	tgaaacctgg	gtagtttatc	ccaaatagga	240
gtggtcgaaa	cccagcagca	aaccacaggc	ccatctgcat	ttcctgccaa	gggaggatac	300
agcttaataa	catttcagaa	acaataggca	tttttctgtc			340

<210> 129

<211> 594

<212> DNA

<213> Homo sapiens

<400> 129

ggaaacagaa	gacttttaaaa	aaagaaagga	agaaagaaaa	agaaaccacc	aactctgcaa	60
agttctctgg	aatctgagaa	gtcaagcagg	gcttctgcct	tgttcatggt	gagcctaaac	120
tgtgatttcg	tctctagaca	tgacacatca	ggcatgcctg	gatctgggtt	ttctgccaa	180
ccttctgaca	gtaacgcagg	catttgctag	tgtatatgga	ggaaggctga	cttgaagtcc	240
ccagtacatt	tcacccagtg	agaagaggac	aacactgact	ccagaaagcc	ttttgctgac	300
ctgctctttg	aaaccagtg	gcctgccagg	aatcctcgcc	ctgtgccccg	cctacactca	360
tccccacct	ccttgctccac	tctgcccgcac	agcttcagtc	aggtcctcat	ccctttcttc	420
acttcattac	cactaaagaa	agcctcctcc	tgggtcccca	tgctccagtc	tggtccctt	480
ccgatgcac	tcccctgcag	ctgtcagtc	ttgggtctaaa	atgcaaactc	gaccatgcc	540
ctctgcttaa	aactcttcaa	tgactatgct	aacattaaag	atgaagcaga	ttcc	594

<210> 130

<211> 152

<212> DNA

<213> Homo sapiens

<400> 130

gctcataggt	ggaaggactt	gccttgagtc	tcagaagaga	ctttggactt	ttgagtgatg	60
ctggaatgag	gtttgtcaaa	gatcagcatt	cttatacacc	aacaacagac	agagagccaa	120
atcatgagtg	aactcccatt	cacagttgct	tc			152

<210> 131

<211> 265

<212> DNA

<213> Homo sapiens

<400> 131

cttccaaagt	taaagtgaat	gccagtcaca	attcaggatg	ccagaggctg	gcagacttct	60
ccaagatgga	aaaatgaaca	tttatcaagc	acctgctttg	tacacagatg	cttactcagg	120
caaatgcgtc	acagtgaagc	actcacagac	atgtacagtc	ctccaggaag	gtctttcctt	180
accttgaaca	aattcagatc	cttgccgttc	caactgtttc	cgtagcttct	catttgtttt	240

aatagattct tctaaacgct ttctc

265

<210> 132

<211> 374

<212> DNA

<213> Homo sapiens

<400> 132

ttgatagcaa	tgtagaaaca	gatattttaga	actggagaag	cactgctagt	ctggtacatg	60
actgagatgg	aacagaacaa	gaaaattata	caaagcagtc	agaagaacct	gaagaataaa	120
atcagctgga	gctactcgtc	tcagggaaag	cggccttggc	tccctcgccc	cgagctgccc	180
taggaagcac	gttggactga	gaggaggcag	caccttgacc	tccctgtgcat	gctcagggcc	240
ctgcatcaga	gccttccttc	cctccactct	ttcttccctt	tttctggctt	tcttctcttt	300
ctcatcctat	aaagaaagta	aggtaactta	ctaaattaca	tacaatcaaa	taaagttaa	360
aacatagcca	ggag					374

<210> 133

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 133

atgagaaaac	aggctgggca	aggngaaatg	acaacaaaac	cgtactgtaa	caaagctgcc	60
taacccacct	gcaaatctac	aattgagaaa	tccatttctg	ttgcccctga	gatttgtggg	120
gtgtttgtta	agtagcaaaa	gctgactgat	acaagattca	aactcaagtt	tctttgatcc	180
tgtctgcatc	accatgctgt	ctcactgaac	ttacagccct	gattcctgtt	cctgattccc	240
aagtgtcctg	tcctaaaagg	agcagagata	aatattgnat	tcattccattt	tctgatgtta	300
taacagaatc	ccacactgtt	ggtgttctga	gtatactgac	attccttgac	gctagatttt	360
atattggtga	ttgcttggtt	atcatctctc	tcctctatga	gantagagga	ttttctcttt	420
attcacttta	ttcatttata	tccataccac	ctggatcagg	ttctggcaca	taataaatgc	480
tcaatggata	aaaaag					496

<210> 134

<211> 197

<212> DNA

<213> Homo sapiens

<400> 134

atggagaaaac	tgagacgcag	gaggattaag	cacttcccga	ggtcacaaca	gtgaatggtg	60
gagctgggat	gtgaacctga	gcagtctggc	tgaagagtct	gctgtattca	ccacacagac	120
gctctacttt	tctgacatcc	ctcttagagc	cacaaagatg	ccattccttg	ccctcaggaa	180
tgctcaaggt	tcccccc					197

<210> 135

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(209)

<223> n = A,T,C or G

<400> 135

gaaacaaaat	cttcagactt	gcttccaaag	gagaagtttg	aaatggaagg	gagaaagaga	60
ggaaggagg	gacggcaaga	aggaaagaag	agaggangga	agaaagcaat	ggcatgccca	120
tggttctgtg	ttgttttttc	ctactacaaa	atattaagat	attggataat	aaaggagcca	180
aatagtgatca	catggctcac	gtgtgtatc				209

<210> 136
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 136
 gcttatctcc ctttgtgttt cttggagatt aacctgatgt tactctgaga aggctctgta 60
 tgttgccaag ttttgaactc tactgaacgg aaccaaaaaat aaaagtctaa gaccaaagtt 120
 gcaaaaaaaaa aaagg 135

<210> 137
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 137
 gtctcagttt gcttcattctc tggaaatggag atggtttctc atgtgatcat gaaaatttct 60
 cccagctctg aagacctttt attttgttaag aatcattgtg aaggatatggg cttggcaaat 120
 gaatggaaaag atgagcaatg ggagaggaaa gaattgaagg gggctgtgag gtttgaagaa 180
 tggcatcccc catgaagtgg cgctgaaaga tcacgatagc acagtccgt gatgtgaaat 240
 accacaagtc tgcaattttt cggctcttgag agtgctcgctg ggctgagagg atggaaatct 300
 ttcagtaatt ataccagttt gtattcgtct cacatttggg accaaataca aatccgatcc 360
 actctttctc cctgtgaata ttcataaaaa accnaagtgc caatttctgg tctaatacatg 420
 tatggaacca aatatgttna tgaagcctaa gtatatactg g 461

<210> 138
 <211> 279
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(279)
 <223> n = A,T,C or G

<400> 138
 gcattaagct agaacntgag gaaagagaca ngctntggcc tgaactcaaa acttagaaga 60
 catgagacac agagagggaa tgaaagccac agagagagaa aatgaatctc aagaggagga 120
 caggactgta ataagcgaca tcatgaagt agaatcttc agcagaagac tgaataactg 180
 taactgacag taactgacca tctggaacac tataaatgtc ttctttactt cttactttgt 240
 ttatttgttt gcttgcttgc tttaaaaaaaa aaaagtaaa 279

<210> 139
 <211> 249
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(249)
 <223> n = A,T,C or G

<400> 139
 gngatgacct caagaggact cctgaattaa tgtctgtaca gtaacttctc agagtctggg 60
 taccagtttc ctcagctctt ccggcacatg gaccatgatg gctgccccca gatggtgcct 120
 tcagctcccc agtcaccatc actgtggtat atgctgttg tatctcacc cgatgccttt 180
 actgggctga tgtccttata ttgcagctgc tgtgggtgtc agttaataac agtcatatg 240
 tgtaccctt 249

<210> 140
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 140
 gtgttttttca acgaagtgtc aaattttttcc tggtgtgattc caagaggaaa ccttcaggta 60
 catatgtgag tctccccacc actagaactc ttaagtggct gctgttatgg aaggtcaggc 120
 tcataatcac tgcataattaa gtccttaaca gcaatgtctg gctcttcatt aatctgtaaa 180
 cttactgatt taccgagaga tgtctttgtt tttctcggcg ttttttcatc tacttctcac 240
 cctgggtgcc aacgaatttc cagaaaatga aacaatgatt agtttatgct attgcatatt 300
 aagtttgggtt ttctctgtat ttacattgca tgtttcaaag gttgacttaa tcagctgtga 360
 gttgttatgc agttagtcag agtggaattc ccacagattt tttcccccaa tgtatcacat 420
 aacaataaga gagctagaca caccttgtgt agttttaaca agtcttcgca gttttactta 480
 atttgnttcc cttccctttt acccctgagg ctcccaaagc aaatgaacca ttcaggagca 540
 taaaacaagg ggaattagtt tagacttcaa taaaacacag acctcttgct tgc 593

<210> 141
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 141
 tgaagagaat gggagatgca acatgaggtc ctggagcagg cagactttgg aagctgacaa 60
 ccctgagctt gccttttggg tctgtgagtt tgtggagaaa gactctccat ctctgatcct 120
 ctggtgtttc ctctcctgta aaaagggaa cgtggtgcct ctctcgaaag ccaatttcaa 180
 gcactgaaat aaaccaatgg gcttag 206

<210> 142
 <211> 34
 <212> DNA
 <213> Homo sapiens

<400> 142
 tgagccgaga ttgtgccact gcactccagc ctgg 34

<210> 143
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 143
 ccggcacacn aacaagctgc ttggggagtca agaggaagac atcggcagaa gancacacag 60
 cggttggnca tcngaggnnc attgggagga gcacaccagc agaagaacac accagcngac 120
 nctggnaagt cnacccgcan aacaacggna agnttggcca gggtagttgg aggacagncc 180
 agccgctggg tggcccaact ccaggggaaa accaccanct tnccactnca tccccgtnc 240
 gtccctccca tccacctgac tgagagctnc ttccactcaa taaaaccttg 290

<210> 144
 <211> 189
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 144
tgatgaagaa tgattttata caatgaaaga aacaagtcac tgttttcttc atccatggca 60
atattctccc tgtctttcaa gaaagattga aaangtcctt cagattgtag taatttgaaa 120
agttgtaaaa gattgtaaaa tagaggcata tttatcagat ttgggggaat aaattttttt 180
tgaaaaagc 189

<210> 145
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 145
tgaaggggtca aagccaattn nagaaathtt ttcaagggct ttgtaaaaaa aaagtgggaa 60
tttttgggaa acccaaggtc tttcngcctt naggggggga agcatcttgt tgggaagggt 120
ccttaagggtt natattgggat ccctcanttc caanagaagg gggccctggc tccaatacc 180
ccagaaaggg aaaggggaaa atgcttgcca ccaggaggna gggcccca aaagggaat 240
tcttaaggaa cangggggct tgggcttcaa gtatttcccc ccggggccct ngtngaagcc 300
aattttagaa ttcaaccccc cttttttttn gntcccaaaa tcaacctttt tttnttacca 360
ccaagcctgg gtccccatta ctttttcaaa aacccttngg attcaattta aaaaaantgg 420
ggggccaggc ggggccttct tgggaattct ttttgggggg tcctttcaat tttcttgga 480
aangtcctcc ccaattngnt nancaantaa caaaaccttc tttggaatca aaaaaaaaac 540
caatttnggg gaatnggcc ttttccctt 570

<210> 146
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 146
tcctgtggaa caggttngca cacacagga aatctcaacc atttatgaaa taaacctgca 60
agcagggatt ggaccacccg gggatcctct ttntctccct cccaaatgcc ttgcaggtgg 120
gatattcttg ggactaccat tatgccagt ggggaaggaa gcttgggaag gggaagcctg 180
gtttacccaaa accctcaagc ccatttaagc catcccccaa gctcttggtc ttttttggag 240
gaaaaggaaat ggacctggaa gnaaggggaa aaggggtggg tattttggag gaaaaaaacc 300
aaaaaagcca ttcccaagcc cttttgtnga aaaggcctgg aagccccttn aaagggtcc 360
ccccttcttc ccaagcccc ttgggcttgg acccccagg aacctctcn gttttcttt 420
tcttcttggg cattnccaaa ctttccaaan gggaatttgg ggccctngnt tttccccctt 480
tttnaacctt aattaggcct aaccacactt cnangcttcc aactttcgcc ttggaaaaga 540
aaagggcaag gaagccccaa ncggcccttt ccttgggggn accaagggtt tccccctttc 600
nggctttacc cttaaaaagg gcaaagngcg gaaatnggaa gttctttttt tttcaattcg 660
gnaaaatggg aggctnggna atttttnccc cttcacntta tngggnaaca aaaccaagg 720
ggggccttta aancaaaaant tttaaattaa aaaatantgg cctccaaccg 770

<210> 147
<211> 449
<212> DNA
<213> Homo sapiens

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<400> 147
gaacaaagat tgattctctg gcacacaggt ttcagacaag caactgttgg attagagcat 60
acagggacat atattgtcct actgccccct gtgggttagta cgatttgtct gactagctag 120
ttattaatag ttgtccccctt ctccctaccac ttcaagccca cttcaaccag ctccctccaa 180
atgctcaaga gaagacttca gaagaaattc aaagttttca aaatgatgtt ggattgaaag 240
ttctgatgat gttctataaa ccaagagttt gcaaactgtg gccaaatcct gctcacccctc 300
tgattgtgta tagccccaag ctaagaatgg tttttacatt ttaaagtagc tggaaaatat 360
caaaagaaga gtaataatat ttttgtgaca catgaaaatt catgaaaatt caaacttcag 420
tgtcccgtaa ataaagctta ctgaaacag                                     449

```

```

<210> 148
<211> 256
<212> DNA
<213> Homo sapiens

```

```

<400> 148
gaaagtagta gatcatccaa aaaggcgatt tggatatcccc atggatcgga ttggtagaaa 60
ccggctttca aattccagag gctaattgac tccaattatg caacttcctt gggtgaaatg 120
tcacagcaat atggaagatg cttcactgaa gttattcaca cttcttaatg attaaacttt 180
taagggaactg accttctgca aatcctttcc aaagcttgaa cttcagtgca tcacattaca 240
gcattgttac agcttc                                     256

```

```

<210> 149
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<400> 149
ggaatctcat caaacaacca gggaggatca accaccagag aaaagaagag actgggagtc 60
atcaccatgt ccccaacaga attttcatct atccttctga ggacagttcc aagtgattac 120
ctagaggact ttgcttcata ataagtcaac cttcattcct gtgcagcccc acctctcacc 180
ttcccaaaat gtctgcctcc catcttctgg gtccattcat tctctcaaat gatttgctgc 240
ccctcaaaag aattttccac gttcctcatc tctcccctcc cctgggaaaa agcatatata 300
agcttctata ccaccctggg ttattgggta atcattctcc agcaattctc ccattcctgtg 360
cacatcaaat aaattctgta tgcgttttct ttt                                     393

```

```

<210> 150
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

```

```

<400> 150
aaattagttg ataacgtctt ccaggagacc tacggccatc ctactgatat gaaccagatc 60
atacctgccc tgatgggatg ccagagaaaag actgctgcaa ggtacgcgcc actcacagac 120
ctctccattt atctcactga tgcaaaggac cctgagtagg gatcctctgg aaacagaaca 180
gagggaagaa gataccttcc ctgaagccca gatgttccag aagcctgcgc ctcatcaca 240
aagtcacccc aaaaatgccc tagagtttgg agttttgaag aagcgggaag aaggcctgag 300
taagggcctg ggaaccaagt tagatcctac ttcagcatca gcacatgcca gcatgggtgc 360
acacaggtgg agagcggcct gcccgctttt tccatggngc ccacagaccc atttaggatg 420
aaagancana aaattttttt ccntgtaccg gntntggaac caggggaaat ttatatttgg 480
ggcccttg                                     488

```

```

<210> 151
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 151
 atcctattgt ctccatcaaa ggaaaataag caaactgaag tgctagccca ccagctctgt 60
 ccagtcccaa caagcaaggg ccttcctctg atgtcagaga cctcagggtg caagaaatgc 120
 gaaggggattc gaaggggcat gctacaacct aaatggaatt cctttaaaaa gcaactgtgca 180
 gcagaaaaga caagtatagt ggctatttaa tcatcttcac tatgaagtgc caattcttta 240
 gagtcttatg acattcatga atgatgcagg aggcggacat gatgaatgca gagcaattcc 300
 ctgcgacaga tactttcagg gaatttatgc cccctccccc aagaacaaaa gggctcctgg 360
 gctcagttat catttggttct gcgagagaat ttacagtctt ttcagcaact tcntttaccc 420
 tactcataaa gcgcttattt tga 443

<210> 152
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 152
 atttgcgaaag agtgggaaag tgagcattga gcatactgga aataccaaac gcagacgccc 60
 tgggatgagg gtccgcttgg cgagcccagc aagagcaata aggctgagt ggtggaagtg 120
 gggatatgcaa gaacgtatca ttcttggtgc ttttacctgc tgcttaataa cacgcatgta 180
 ctgtctggca ggaaataaag agattacgtt tcaaaaaaaaa aagggccagn gnggccantt 240
 cagttngnan ttanccagg n tgaacttgnt naaanggggg ggactacca 290

<210> 153
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(508)
 <223> n = A,T,C or G

<400> 153
 ggtacctggc acaagtttct ctggattaag gcatagaatg gtgtggatga tatgccaaaa 60
 atctaggaac tctctctcct ccagctggaa agaagaagca tttattacct cacagtttct 120
 atgactaaag aatccgggag tggcttagct ggggtgacctg gatcacggtc tctcaggacg 180
 ctgcaatcaa gatgttggct gaggccatgg tcatctcaag gctcagtttg gggaggatcc 240
 acttctaatac aaaatcacaa ggaaacctga tggcatggta cctagtcttc ccaagagcaa 300
 gcaatccaag aggatgagac aaagaattta agactgaagc cacagtcttt tatcatttca 360
 tcctgttaga gttatcctat cagttttgaa gtctcantgg ttttagaacc agtcagtaag 420
 tcacccacac tcatatgagg gataccaagg tataatgccg gagcagattg tgaagcctct 480
 ggagctgctt ccatggctgt atgatctg 508

<210> 154
 <211> 81
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(81)
 <223> n = A,T,C or G

<400> 154


```

agacgctggg gagctcntga ataaaaaaan aactgngtna tgggacgcat ngacccanaa 60
agcagacctg ggcccacaac t                                     81

```

<210> 155

<211> 416

<212> DNA

<213> Homo sapiens

<400> 155

```

gacgtttgag gctcctggca atgaggatct tcctacaatg ggtgcaacaa attcctgggc 60
cttccagagg ttctggatgc aaattaagtt gcttctcagc ttccccact gctggctgat 120
ggttgagatt tcctgcatct tccagaagca aaatatgctg aaattcaaga actgggcatg 180
aatgactgtg tcaactcgcca gagctgagcc acctccaagc agtgagccag gccaatcatg 240
tgaggccctg ccaccttcag acagtgtcct gtcccccttc accaggaaca aacagaggac 300
ggcctgtcgc ctctcagctc cctgcctgcc tcagactttc acatactctt tatcaagttt 360
tacagagctt ttctgactct gtaacaaaca gtcaaataaa aatgctggtg ttcccc 416

```

<210> 156

<211> 403

<212> DNA

<213> Homo sapiens

<400> 156

```

cacattggat caaataatat cagaagctct cccatctgtg atctgtctat agccttacca 60
ttagaagcct caccagagcc aggcagctgc agaagcctct tttaaaaatg gtttagaatg 120
atgactggac ttggcagcaa cttgctttgg aagcaccaaa caaaaagtgc tatctggtgg 180
ttgatttgat taactgcaat ctagacatcc attttgtgga ccgtattcac ataagcaagc 240
agctgcaatc caggcctctg tttgggggtg ctgagctgag ccaagacatt cactcttcaa 300
caacaaaggc atgttgggag cagccaggag cagttctggc gcttgggagt gaaggaatgt 360
tctgcctaata gactgcccaga tgaaataaaa tctttgatatt att 403

```

<210> 157

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(104)

<223> n = A,T,C or G

<400> 157

```

gngcacattn anganccaaa gncatgactg actccccgna tttcacacct cantnttaaa 60
gngganaant atctgaacta aaagctgaac tcaacaatga aaag 104

```

<210> 158

<211> 636

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(636)

<223> n = A,T,C or G

<400> 158

```

gctgcggggc accagctaaa ctctctggga agtttgcagg aggcacagat acagccttaa 60
ccttgacgag tcttccatca gagacatttc aagatgcagt atgaaaacta aaaggctctg 120
ctctaacaga actttctgcc cagccataac acaaagatat caagaagaaa ataacaaaat 180
actgtcataa gaaaatgtaa cacaaataaa gatacagtac tccaaagtac cgaggatgcc 240
aattataact taccaatata acttcaggat aaactctgac atctcctttg tgcaggagct 300
gctattaaca tcaccaggaa gctggagacc ccctctccat tgagcaagat gcaaatgttt 360
aggggaaaagg tgagaaaagg ggaatgtctt gcaggaaccc aagtcacat gctgtggtgt 420

```

gggtcaaacca	gtgactctca	ccatgtaggc	agccagtggc	tgggggatgg	ctgctgctgg	480
tgtgatgacc	cctcctcata	aattttaaact	taaaagacca	tctttgatgg	tcacaagctg	540
tgtgatctct	gctcaccacc	ttgttctgat	catttcccaa	gtgagaacca	cgaataatat	600
ttcactncta	tgatctttat	atncaccacc	aaggat			636

<210> 159
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 159						
aggaactcaa	tttttattca	gcactgacta	cttggcaagc	atcattaaat	gctgtatctc	60
aatggattct	ctcattatag	ctgtccatac	tgnggaggtt	tacaggaaaa	ttctacaaat	120
gccacaact	ggtcaaatat	agctggatac	attatctgca	tgttttctgg	tcctacacaa	180
atggcctata	aaagcaaaaat	aagaacatta	gaatgcataa	tctgaactcc	attaagttct	240
ttactgtgta	tatatattgtt	taaccacaga	atcttaaaaa	ctgtcttatt	ttatgtatta	300
taccatcttt	tctgagccct	aaaggacaca	aactatttta	aactggtata	gaataaagta	360
taggctgaaa	ctgttaatca	gct				383

<210> 160
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 160						
atgcaacgcc	aggagcagca	tcagccacgc	tgtaaacaaag	ggggaaacgc	caagcgcatt	60
acagaggacg	tcagccctgc	catcactggg	ctgggggaaac	aatgccagct	atggctgggc	120
tccgggttca	cagtgataag	ggaaataaac	ccttatttgt	ct		162

<210> 161
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n = A,T,C or G

<400> 161						
caggcncaca	aacaagcngc	tgggagtcaa	gaggaagaca	tcggcagaan	aacacacagc	60
ggctggncat	cgngaggaca	ttgngaggag	cncaccagca	gaagaacaca	ccagcngaca	120
ctggnaagtc	nacccgnana	acaacggnaa	gnttggncag	ggtagttgga	ggacagncca	180
gccgntgggt	ggcccaactn	caggggaaaa	ccaccanctt	ncnacttcat	ccccgttctg	240
tcctccccat	ccaccttgct	gngagctact	tccact			276

<210> 162
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 162						
gtaccctaca	aacatcatca	gcccatacgc	tgtgtgccac	aggaaggctg	ggaagcacgg	60
ggtgtacaga	aaacaagcaa	ggaagagaaa	aggcactgaa	gcagaactgg	tgaatcaaca	120
gtgcctgtta	aattggcaaa	tcctgaaaca	ctcaacaaga	accttggctc	cagaggggac	180
aacacaggtc	ataaaaacttc	cagggccact	gacctcatta	tgtgactaca	aaggtttata	240
atttagtcca	aaattgtgga	ttaaaaataa	attaaatgcc	atgt		284

```

<210> 163
<211> 209
<212> DNA
<213> Homo sapiens

<400> 163
ataatgcaag ttctgaagtt ctgaatgaaa aaaattaagt gatatttact attctacagc 60
gacttggtga ggtgctaagg aaagccatgc gatgccacgc ctggcaacaa acccactg 120
cttcaacttc ctgtgaagaa agccctacca tgatccccac ccacattatt tattttgacg 180
acccaaacaa ataagaaaat gtagccagg 209

<210> 164
<211> 184
<212> DNA
<213> Homo sapiens

<400> 164
cacttggcgc tgctgacgta cagagcaagc aaagccgctg aagttcaaaa cctgcactga 60
atctatctca aacaaagaat gccaggaccc actgcagtga cccctaggat gaagacatgg 120
aatctgttat tatgcaatgt cacttaagta tgtcttttat attaataaaa aagttcgtct 180
tggt 184

<210> 165
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 165
gaaagaacat caaggctcag ggtggtggga ctctacttcc ataagagcaa tgatccattg 60
ggtgaccagc acggattgtc ccacagcccc cgatggaaac attcagaggt gaatgccttg 120
ctcagagccc cctggccagg ctgaggaggg aaaaattctg ctttccaact ctggcaagaa 180
attgctgcat ccagaggctg cagaagccca cgaggagcat gaagatgcbt gggaagaata 240
ggcgctgcct tgagtgcac cctgagccag acccttacac acacagcttt cattgttggc 300
ttttgtgttt tttttttttt ttaangnaaa aaaaaaatcc c 341

<210> 166
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 166
agtcttgcac taagtgcgact gaggtggata atgaagtga aggaagcaga agagagtgtt 60
atagttggaa aggtgggaaa tcacccctc catgctgaag ggaagatttc aggttccaaa 120
tgacacgttt cctcagaat gacttttgcg ttagtgacca tggatatctt tgctgtgttc 180
ctgaaactct gcagacagtc ctaagggatc cagtgggtcc tctgatggac cccaatgctg 240
gaagtcacgc atatagctct gaagagttgt cacaagaaat ggcgtttctg gaggatgcac 300
aggaaacttt tcatattggca tgaaaaaggc tattggattt gcaaagactg cagaggaaga 360
agtttaaat cttgagcccc ctaaaaaaa attttttaaaa aagnggcttc caacctttg 419

<210> 167
<211> 177
<212> DNA
<213> Homo sapiens

```

```

<400> 167
agaactgagc tgacatggac agaacttcca gcaggacctt gaatgttaac gcattacaga 60
tgccagaacc tctgtctacc taaggccctc agtgactttg tgaagcagag tctcacctcc 120
aggctggaaa catcctggac tattacatga acaagaaata aacttcactg tgctgct 177

```

```

<210> 168
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

```

```

<400> 168
gatatgaaca cgaagcaggc agaggatgaa gctgatgggtg tgcattgggtca ctgtgctcct 60
gcccattttt gagcttcttg aatacaagct gtgccttttg ctggaatgtc cctcccagtc 120
tgactaggca tcttctgatg gggtttgacc tggttgcttc taacactagg atggacctct 180
tggcaatctc tggatatctt tctgtgggtt gttataatgg gagaagaaga agcactccca 240
tctagattgc tgtatcagaa tggactgtta tgattgcaaa tggcagaaac ctaactcaat 300
gcaactataa naatgaggga aatgtccttg cagctcttga aatccatgga agaacaaaat 360
gatccagggtg ctggagggac agcaacagag ctggacctca ngtgctgctg gagccagagg 420
ctcaattttt actagtctt 439

```

```

<210> 169
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

```

```

<400> 169
cttctgncac gtnccgggtc ccagagtgtg cctgctcaga tccccaaaaa cttgcnggan 60
caggangngg tcacanagtg gttaagggga agggagaaca ggaccggcgg gtttctttac 120
cgcggtgcaa gaacccttga aagncntctt cggcttcattg taacgcaaac ttggcccaca 180
ttcacttttc cccatgggag gcccgaagtc cgaaccacaga tgcctctccg acgacagccg 240
caaagcgtaa ggcagggtcg tattccagcc tctaagcgct ttacagcgcc agatgggtcg 300
cgcacgcgct gcgtcttagt ataggtcctt gttaatatgtt agaagtgtgtg ttctcattga 360
tataggaaaa taaaactact tgtatgtctt atg 393

```

```

<210> 170
<211> 227
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A,T,C or G

```

```

<400> 170
caccctgaac tagaangggg aangnaangt gccttgngan tcacncggcc acaacgaaaa 60
ntagttgagg cncggcgccg ggggcttcac gcttcttaat cccagcactt ttgggaaggc 120
ccgagggttg ggaaagaatt ggctttggaa gcccttgaag tttcgaagaa cccagccctt 180
gaagccaagg aagtgaaga aaccgcgccg ttttcaaact agggggg 227

```

```

<210> 171
<211> 808
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 171

```
gaccttctgg ggggagncta nctggcattt angtnacagaa cctgcccctt tcttttttaa 60
aaagaacaac ttcaaagnat ctgggcaacc acttgtgccc caaagcttct ttcttaaggg 120
aaagaagaat tgggtcaaaag tggtgggtgc cctgggaccc agcaagcatt angccatcac 180
cttgggggacc caagttaaga aaatggaaga atgcttcaag gcttccatcc caagaacctt 240
gcttggggggc ttgggggggcc caaaccaatc ttgtgttttt aacaagggcc tcccttgtgt 300
tgactgggtng atacgtggat gcttccaagg gtaaatggg cccacttgaa agaaaagtaa 360
aaaggaactg ttctacacct taaaagaaag ccaaagggga cctcaaatta caggccattg 420
cggtttactt ggcattatta tcaattttta aaaatattca aaaattaaat ggggaaaggg 480
gaaataaaaa caccaggggt taaaagggg atggaattta aaaaaaaaaa agaagtttaa 540
aaaaaaaaaa aaaaaaaaaa aaagggccan gcngggggcc caatttcaan ttttnggaan 600
tttaacccan ggcnttgaaa cntttggttc naaaaaagg gggggggggg aacctncccc 660
cnannnnnnt catcccnenn tcacnatnt nttgnnacnt tacttgnntc ntctacattc 720
ntganctaca acattcatct tatntantta tntatccnctn tnacnncnctn anntttttnc 780
acttatttnc ccanncttat atatatac 808
```

<210> 172

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(649)

<223> n = A,T,C or G

<400> 172

```
tttttaggta caagaacctt gangantttt ttggacttgg cttggncatn gggccggtgc 60
cccttcttgg gangaaaggg cccttngnat tgggtggaatg ggtggtccaa ctttccaca 120
aagtaccttc ngggccaaaa aggagggggg gaccaaagtt tcaaagctca aaccaaaggt 180
caagaaactt aaaaggggag cctgcttgac cccgggggag cttgccaac tttcttgng 240
gggaaaaaag gggaccaaga atggaaagct tncctttcca agaaaagctt gatggaagcc 300
aaccttgagg ccagcaaaac agggggacca aacggagggg gggaccttcc ccaaagaagt 360
acttggtggt ctttcctggt ccttgcatcg cccattgatg ttgttaaccg aaattctttt 420
tgaaaagggc tttcccaaga taaagcaagc cccaagggaa agaaaaatga aaaactcctc 480
ttgatgttgg gtttgggggg ggggtcttgc caagcttggg gggccctccc ttgtcgccaa 540
gtggggggcca cttttttttt tttcnnccct tgnctctttt aaaaancccn nctttggntg 600
nctnnancca anggttttaa ttaaaaanaa ttttttggga aaagtttttt 649
```

<210> 173

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 173

```
tttcccggag tggggatatt aacagcccgt cttgggtcct gnggggtggaa gccnatgtgt 60
ggaagaatgg agggcatcgg ttagaaagga gtctaagtcc ctgatgggca ctgagctgca 120
agaaccagcc tgggctgctt ctgctggatg tcacttacta gagagcgaaa ttaaatgtgc 180
ttcagctact gttacttttg gttttctgtc atttgtagct gaaataatcc taatcaatat 240
gagatatatt aagtaaacaa aatgcaaat g 271
```

<210> 174
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(272)
 <223> n = A,T,C or G

<400> 174
 caggaaactg gnaggggaaag aaagaactgg ccaaggggga ccaaactcttt gggttggaat 60
 cttggggcca ngaaaccct taanggagga ngantcctgg aanttgaaa ncttaatgg 120
 tatttaataa ataaaattgg tggtttaatc ttccaaatcc tgggggccat gggcaccaca 180
 caggggaaac caatttctgg gcctggaatg gcttgcttca aaggcttctc cctcttttgg 240
 gaataaaata aaatgggctt tcaggttttt tc 272

<210> 175
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 175
 gactgagctg cttggcctgc agaggaagcg ggaagcagtc agatgcaagg caccaggtt 60
 agaattcaaa tgctgcaggc accggggtct gcatgacagg acggctcagt ttacgctgta 120
 gctgaggaaa ctgaggcaaa gaggacgagg aaagctgccc acaatcaccc tgctatggcc 180
 caggactgca gttcagatcc caggacttcc aggctgggtgc tttttccacc acggaaaata 240
 ttaaagacta aataaactac aaacatt 267

<210> 176
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 176
 gcatgagcac caatgactaa attggggaag aggaactcaa ggggagaagg cagctcagaa 60
 tcaaagattg aagaattgta tctatcttca agttcacttt ctctgtcatc tctattctgc 120
 cgttgtgcca tcagggtcaa gcagcaagaa gataaacaga gaaaaaaaat taacagttat 180
 tagccccacc ctaatgaagc caaagagttc cactgggaaa gagcaactga aagctctgcg 240
 tttgaaactc tcttgactc agtctcatgt atctccact ttggctgatg acgatctata 300
 tcctttaact gtaataaaca aaccataact gt 332

<210> 177
 <211> 908
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(908)
 <223> n = A,T,C or G

<400> 177
 caggaaactg gcagaggggg agtctcactc ttggctcgccc agggctggga agtggcangt 60
 ggggtggtcaa taagccangc ttcanccaac aancctcttg gccttcttca aaggttcaaa 120
 ggccggaatt tctttccggc aatcaagccc ttccaagggc aaaaggaatg gaaaaccac 180
 caaagggaag aaaggccagg aaaggggcaa gaaaaggaaa ggggaccaa ccttggtta 240
 ttaagggaact tgggaatggg tttgggttgg tgccctttca aaaaaattat gtttgaaagc 300
 cttcaatcac caagtgtggt atgaccattt gggatgtggg gggccctttt gggggaagg 360
 tggaaatggg ttggatgaag aagtaaaaag ccccgatttg aaatggaaac cgaaatcctt 420
 gttccatgcc attggaagat ttatgacctt tataaaaaag aagtttcctt aagaagaggc 480
 catcctcatt tcttcacca tgtggaaggt ttaccaaatt ggaaaagata agcttgtcta 540
 tgaaaccaag ggaaaacaag gatcctcacc aagaacacca agatcttgta agggcaccct 600

tggatctttg	gacctcccca	agctttccca	caaacgggtg	ggaagaaaat	ttctattggg	660
tttaataaag	ccaagcccag	gttggatggg	caatttttaa	tattaagcaa	gctttgggaa	720
ntaggaacaa	gggacaacca	aaccttaagc	acaaaaaagg	ttttcttaag	ggatgcctta	780
cttaaaaaag	ccaccgacnt	ttaatgggga	aagggttaag	tngcctctta	aaatggccat	840
aatanttaag	ttaaaaggna	aagnaaaagg	aatgggtggga	aaaatcaaat	gggatcaaga	900
acctccaa						908

<210> 178

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(274)

<223> n = A,T,C or G

<400> 178

ctgcccctg	ccggacacac	aanngtcctg	tatgggggaa	gtggaccagg	gtcntattca	60
ancccccttc	cgtttattcg	gangaatgga	tggcnttaag	taccangnca	nccnttngga	120
gggaaactng	ggcctcnggg	aaccaaaagg	ggaaccctng	aagaactggg	gtggggcttt	180
cttaagaaac	caagcccttt	acccaaactg	gtaccctttc	ccctttcttt	ggctcaagcc	240
caaataaaat	taatatcccc	ttcttttcaa	cttc			274

<210> 179

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 179

gacgtctggg	gagctcctgc	attaagtcag	actgnngggc	tnctttgggtg	gccngggctg	60
gggnccagng	acgggntnac	agcacacggg	cggacctacc	tacacctccc	ggctcaagct	120
atgctcctgc	ctcagccttc	ccagagtggg	gaggcggtggg	atcaagtcct	agattggtca	180
ttcctggctg	tgtgactctg	ggcaagatac	tcagattctc	tgggccaccg	gtttcttgca	240
tgttacaaaa	gcctgggttac	atttctcata	tcaaggagat	acaaagtgtc	ttcaaactcc	300
tcagccacag	gaactgtctt	attcatttct	gtatccccag	cgctctgaca	cacagtaggt	360
gctcagtaaa	cgttgaatgg	atacaaacat	gactgtgaag	agccttgtaa	acatcattaa	420
ccaaaatatg	tctatatgta	tatatgttag	cacttactac	aacaggccca	taaacctttc	480
caaaatgaca	tcaacaggaa	gtaaaacctg	ttttggatgt	acccat		526

<210> 180

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 180

cagcaactcg	agnggagacg	caagcncctt	cttcggggcnc	cggnaaagga	atttaaagtt	60
tccgtggaaa	tgccataccg	ccaaggaact	tcggganggt	aggtttcccg	ggtttcccgg	120
gcggtggggc	cattttttcg	gtttgggtgg	ggtggttcaa	gtttggtggg	ccgggtttgg	180
cttgggtcaa	gtaaaaccaag	cccaaagaat	ggcttgcggg	aaatcttgct	gggctctttc	240
cgtcaagatt	ggggccaaga	agggaccgaa	taaagccact	tgctttcccg	cagggcattt	300
taaaaaaaat	aaaaggttcc	cgggaagaaa	gccaaaaaaa	aacttgttcc	caaggggagg	360
gatggatgaa	aaattccact	tgtatctaaa	aggggggtggg	ggggtaagct	tgatgccctc	420

```

cttgataaag aagcccaccc attggattct tacaagtttg ggtggggaaa caagcatatt 480
gccatatatt gaagccttggg cttgtgggct ttcattttccc aaaggaaagc caaggggaagt 540
tgacttcaag tcatcccaag ccaaattccgc ttgggttcaa gttttcattt caagctctct 600
tatggggacc aagtaaatct tgganaaaaa taaacccgaa gctccttctt ttgggggggat 660
caaataatth atttggactt tgtaagttaa acttgccacc caaataaaaa gccaaagtctt 720
ttacccatgg                                     730

```

```

<210> 181
<211> 622
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

```

```

<400> 181
caggaactgg cagggcaatt tctaaaccgg ggggaatgaac aattgggcaa tcaatccctc 60
aatcaaacca agtacaatcg gcaagaagaa tgggtggcgg gcaatggccc ctgggaacgc 120
cccaaccaag caagtcccaa tccccgggtt tgggtcccttg ggaagaatcc cccttccaaa 180
ggggaagcaa cccaataat ggaacggccc gcccaaaggg acttccattc ccttgcgcca 240
ggggggccaag gggggcaatt gtacacttgg cccgaaagac ctgctgctag ggggggggact 300
cctcataagc cctcaagccc tttccctcgt ttccaagggc ctctcccaa gggccttgcca 360
atcaagcctt ctttactttt ttgaagcctc ttgatttcca aattcccttg ctcttcccca 420
ctccattaaa agaagggtta aggggtggaag ggccgctttc taagggtttg cttgggggggc 480
tcttgcttgg gttaaaggga aacaagggga aagccttgga ccaatctccc tccactacct 540
cttcccttgt gcttggntac acaagtgggt catttgtttg gatgttaaaa ttaaaagggtc 600
aataattctt ggcttctctt cc                                     622

```

```

<210> 182
<211> 412
<212> DNA
<213> Homo sapiens

```

```

<400> 182
cacacaggac acggtgggga tgcagcatct tggacctcat ccgcctgtgc tctaattcaa 60
agacaaatat gtttcccaac ctgcccgaag ctctggcagg gaaaactcag atccccaaac 120
tcaggctcgtt ctagtgcagc aataaccagc tgggttttca gcaacttgga tggagccatc 180
tgtgttccca gccacataa aaatatgcac aagaagggtg caaatcagca agtccacagc 240
ttccagaggc cccagctggg atgtgccctc cctttgggga ctaatgaaag agcccaagga 300
agtcactgaa agctagatat agcaaaatgg tagctcaaca ccagatgcaa ttatttaata 360
ataaactcta aatttgtttg ccccttaaat aaaactctat attccaatat tc                                     412

```

```

<210> 183
<211> 899
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(899)
<223> n = A,T,C or G

```

```

<400> 183
tacttcaagg ggaccccncc tncctgaaca tcnaaaaggg tnagnngaac gaagatcacc 60
ggngacttga agacnngcgg agccggctan aagccggggg acgagcccgt acttgccgc 120
ttcttagaat tttcttttgc ntctctttat gggggtaagg aagccgcaag cctctctttc 180
ngcccgggaa aaggatttaa agtttccgtt gaaatgccat taccgccaag gactcgggag 240
ggtaagttcc cgggttcccg gccgtggcca ttttcngttt ggggtgggtg ttcaagtttg 300
gtgggcccgg ttgcttggtt caagtaacaa gcccaaagat gcttgccggg aaatcttgct 360
tggccttctt cgggtcaagg tttgggggcc aaggaaggga ccgaataaaa gcacttgctt 420
tncccgcgaag gccattttta aaaaaataa aaagtttccg ggaggaaagc aaaaaaactt 480

```


gtttccaagg	ggaggggatt	gaatgaaaaa	attnccacct	tgtantcttn	aaaagggggt	540
gggggggtaa	gccttgaatg	ccccttcct	tgtantaaga	agcccacccc	atggaatttc	600
tttaccaggt	ttggggnggg	gaaacaagca	ataatgccca	ttataattga	agccttgggc	660
cttnntgggc	ntttcatttt	tcccaaaga	aagccaaggg	aagtnggaac	tttcaaggtc	720
antccccc	cccaaatacng	ccttttgggg	ttcnaagttt	ttccaatttc	naggcnttnt	780
tcttattnng	gancccaagt	naaattcttg	ggataaaaaa	tnaaaacccc	gangcctttt	840
ttntttttgg	gggggattcc	aaaannantt	ttaatttnga	cctttgtaag	ttaaaccctt	899

<210> 184
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 184						
aagacatata	tgatgtctgt	ctgggatccc	agcaaccatc	ttggaccacg	tgaaaacctt	60
ggggatggaa	atcacatgct	atggatggcg	aagaaaacta	aaagcgctg	agtcactgat	120
accacttttag	agctaccata	taagcctctc	ttaagccttc	cttttatgaa	agaaatataa	180
aattccatct	tgctgaattc	ctatctgtgt	tactagcaat	tgaacaactg	atttgccagc	240
catctgaatt	accagattg	tctgataatt	ggtcaatacc	cacttcattt	taggatatag	300
aaataaagct	tcaaaactgg	ccat				324

<210> 185
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 185						
ggtcagcaga	gacaaaggca	atgttggtga	ggccatgtac	attttcatct	ccttgagctg	60
gtactgtgag	caagctgttc	atctctccac	gccaacctca	atcttcctct	ctaaaaaagg	120
gactgatgct	actttcctaa	tcttgccatg	acctttgcaa	ataaaacact	taactg	176

<210> 186
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 186						
gaaacttta	tacatcataa	ctattcatta	atgtatgcct	ggcaaagatc	aaatgtcaga	60
agattttattc	agccacagac	actgcaaatt	aactacattc	atgggacaac	caaagcaaga	120
aagcctcatg	ttttggggga	aagtttgata	tcagcaatgt	ccagacaagc	aagtgcataa	180
tggaacgcaa	cttcatggaa	cccaactcag	acaggattga	cagttgaaga	accaactctt	240
taattgtgag	aaattaaaac	aaatctac				268

<210> 187
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 187						
aatctcactc	tggctgctat	atggagagta	tactggagaa	gaacaagaat	ggaaggaggg	60
agccaagtgc	agaggtgaac	aagagctgtg	agaagactct	gaggccttag	gaaatgggaa	120
agctaccggt	caaaaggatc	ctggccccctg	aataactgca	cagctctttg	ctgggtctgca	180
ctgggatgcg	atgtaactga	taaataaaca	tttcttatgt	t		221

<210> 188
 <211> 540
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(540)
 <223> n = A,T,C or G

```

<400> 188
agttggatgc tgaacttgc agtcacacaa ggacttgaac ctagagcttt tctaaagccc 60
gtactctttc cagtaccctg agccagggga gccagcgggc agaaatgacg tgtgaggtac 120
cctctctctc ttcacttcca tgtgatctgt tactcatttt gtcaagacat cctgggtccc 180
agagaccact cttattccca ggtgtgtgac ctcctcctac agactacagt gggaaagaca 240
ccatctccag gngccaggng ctacacaaga tactggctat agcagcgaac aggacagccc 300
cgctnattct natngngngn ccaggacaat aagaaaaaag acttttttat tttattttt 360
ttgaaacgga gttttgctnt tgtttgccca agctggaatg caanggtgtg atctcnatna 420
ctggaacctt cggcttccaa gttcaacaat tattctggct caagcctntt gagtagctgg 480
gattcangca cctgccccac tcccgggtaa attttggggn ttaaaaaa aaaagggttt 540

```

```

<210> 189
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<400> 189
gcatgtctgc agaaatgatc agacgtatgg aattacaaga tctcctgctc gtttaggggtg 60
ttcaaggaaa tcaaagaact gtggaaacca ttactgtcca ggaaacaatg ttgtctttga 120
aagcctcatc acctaagaca tgtctctgaa gtagatgaaa aagccaaccc aggcatagtg 180
gtggagccca gatgtctcac atgttttagca tgagctagaa gacactgttt aagtaaaaaa 240
gactaaagcc agcctgcc
258

```

```

<210> 190
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (334)
<223> n = A,T,C or G

```

```

<400> 190
gacactggct cataagggat ttcaatgtgc acagagcaac tgcctcctca cctccctacg 60
gattccacta caaccatcta ggaggaccac agcagcatcg tctagccttc cccttcccc 120
aggaccctgg gctgggggtg aggaggaggc gccactgcag atccagtatg gtgagaggaa 180
tctcatggct tccaccagaa tccccaaaac cacagcacat cagtttgcta gcttgacaaa 240
aagccttcac cggatgctga gcaggtgctg ggctgtgcc cttggacttn ccacccttca 300
gaccattaag tcnaantaan ttcctttcct ttat
334

```

```

<210> 191
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (370)
<223> n = A,T,C or G

```

```

<400> 191
gagctgagct gggttttaca gagttaccgc gaggatttct gttgtgggaa aatacccagg 60
aagtgactga gccagccag acgtcactgg gagacatgca gaagaaaaga ttttcnttg 120
ggagttaccc cacaatgagt tctgggtctg gtcaaatcac ccattattca aacacattgc 180
agccttcctg ttnttttaga aatcaaacag aacttcagca gtatgcagng aggccatttt 240
aaacagngaa atcaccaacn taanncccaa nttttngaaa ncnnggcctt aattnncccn 300
caaaagggaa ncttggtacc nggnaaaaaa ctggaancaa nanggccagn ttcccttggt 360
ggacccccctg
370

```

```

<210> 192
<211> 258

```

```

<212> DNA
<213> Homo sapiens

<400> 192
ttcagctgtc atgagaaagt tgagtgatga gaccttgagc gggaatcatc aatgaaaggg 60
ccaaggagat gagatggagc attgtaatca acaaaagtgc taaacaccaa gaagtgttgt 120
cccatatttt attacacttg agaatgtctt gctatttttag acgttacaag gtatggcaag 180
acagtcttgt agcagtgtcta gaatgattcg ttgaaatgca ttcaatcaga aataaaagat 240
gctgttaata actgtcac                                     258

<210> 193
<211> 190
<212> DNA
<213> Homo sapiens

<400> 193
gtcctcatgt gcccttgagc tgtggactcc aacactgctg tttgcaaaaa gaagatggca 60
ggaaaggatg gccctgcaaa gtgtgccatc atgagtggagc atctctgtct actcaaactc 120
tgattttttc actgcagccg acttagtgag gaatatgggc gcactaagtt ataaaatata 180
agaatgacag                                     190

<210> 194
<211> 353
<212> DNA
<213> Homo sapiens

<400> 194
agaactgagg ttatttttgc ctgctgttta tgtcatgaac caggagcagc aaaaacattt 60
aatcttgcac gctaactgac tgataatcac tgatggtagc tctatgctaa ggattctgag 120
accaccatgg gactggatgg aacagcatgc tgtgatctgc taatgatgtc tgctatggac 180
accacaagca tacagagtga acctgcagca cagcaagaaa acagagcacc aggctgtgac 240
ttcacagaag gccctgggag ttgcagggaa gaacagagag tcatggcaca tgaggctaca 300
ggaaaaatga ttttaaaaaa agaatgataa ttataaagca tttattgagc act 353

<210> 195
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G

<400> 195
gtctctgcct cctctctgtc aggaaggaga gagagaagtt aaccacacag aactgaccac 60
cctctttacc cagaaggagc tgatcagcca tctttaggca gaaggcttcc tccagctgca 120
cccagattcc ccttctgtct cccacagcac cctgggctta cttctccaga tcatgtaaca 180
ccctgtgcta agattgnnta tctcttgnc t gacttcttga gtggatcata agctctttga 240
atgcaggcat tgngtcttct cactcgcaac atctccagtg ttgaggacag aagtgcccac 300
agggcatagg atatactcaa ttaagg                                     326

<210> 196
<211> 303
<212> DNA
<213> Homo sapiens

<400> 196
acaacaagct ggtgagcagc ctcagcctgc ctcccttggc ccatcagaga tgctcatgtc 60
atcgggttac gcaggacaat tttttcagcc agcatccaac tcagattatt attcacaatc 120
tccttacatt gacagtttttg atgaagagcc tcctttgcta gaagataagt taaggaagtg 180
ttattaatgt gtgtacagct agaagaataa tagcaataat tagcacttaa tgtgtgctgt 240
cagcctgcag tatacagtgt cttatgtttg attgtttcac atataacaag agtttgctga 300

```

acc

303

<210> 197
<211> 170
<212> DNA
<213> Homo sapiens

<400> 197
gtatgacaca cacgatgtct aagcaactgc cttccagcag tgattgattt tgctgggtcc 60
ccacacaaaa agtttggaag agacccttat gtcttctgta gagtttcttg gttgtaagca 120
gcaagcactg gtgctggcta acttaagcaa ataaagaata tatcactcag 170

<210> 198
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (342)
<223> n = A,T,C or G

<400> 198
tgagatttat agtgctcttg gggaggctcc tggagaagaat gatatatcan gacagacata 60
ctattcaaaa gcttaanact tagcatctga ctataaacac catgccacaa agaagcttgg 120
gatgaaggat cactgaggga gaggagtcca gcgcccagca caccactgg gagctacatg 180
catganaccc caccacatca gnagaacat acngccaaca gaattatgag aaataagaag 240
ntgnngnngg tctaanccac taangctttg gaggggnttg gtnnacatcn ataggtntcc 300
ttgcttggnna ctacttcaat catttnatgt ttgagagagg cc 342

<210> 199
<211> 280
<212> DNA
<213> Homo sapiens

<400> 199
gaccagatta atgaagatca cagctgggaa cacctgtgat cacacctgtg aagaccacac 60
ctgtgattat gagagaagga aagaatctcc atggaagaag ggtttaagga ggatggggct 120
agaggggaga gaattctggg ctgattcaga gtctgtagaa gaggaaactc cccagctgtg 180
gccatgggac agaggagttc tcaatgcctc ccttctagaa ctagtactaa tatggaagtg 240
gcataaacag ataacacaa acacataaaa tataaacac 280

<210> 200
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (205)
<223> n = A,T,C or G

<400> 200
gtcttggttc agtgagaatg taaagtacgt gagctatgtg ctttgtgatg aagtcgttga 60
tttatttcac tttggaacaa gncaccaca acaaagttag aatgagaagg tnattcagag 120
ggagaagaag gaaacggaac tgnctgtaga aatatatcct catatgaact tanacnctgn 180
aatanatnta ggttgtcaaa acacc 205

<210> 201
<211> 261
<212> DNA
<213> Homo sapiens

```

<400> 201
tggggaatatg aaacccagct cccttgctga agatgggaca acaccaaggc tgaactcaca 60
cttgaattca cccacaggat ggggctgagc ctgagatctc atccttcatg gcttcctctc 120
cttccttctg tttcagagga atctgaccta actcacttgt ttagagttac aaacaaaata 180
aatgggtgagg tcaggaccta ggattgctgt attgagcaaa taaaaataca ggactcttgc 240
attttatcta gcaataaaaa t 261

```

```

<210> 202
<211> 124
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

```

```

<400> 202
cagctcacgc tgctgatgca acacaggtga agagcacctt cccctcccc acctgngggc 60
tgattnccac cacgtggatc ccaaggccat cccaggaact ctttggaggg gagaagccca 120
gtgg 124

```

```

<210> 203
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 203
atgaagaaca aggccataga aagaaagcca cgagctcaaa ctgaagatgg ggcggggaatt 60
aggattcaaa tccagggtctc cggatcccca agacagcgct ttttccacaa ggccactgca 120
gccatccatc aatttagaca tgaacctgtt acctatgtgg tcacaatcat gccatataca 180
aacttttagcc aagtagcact ttttctctc tagtgcttctc tcactcagaa tcaaattaat 240
tcctcaataa agttataaat ccaac 265

```

```

<210> 204
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

```

```

<400> 204
ccttccttga agcagcatga cccatctgga tgtcctcctc atctcaggaa ttttctaata 60
agctgtctaa atccagagat ccgaccacag aacaatgaat gccaaagatg agttctaaag 120
atgcgagtac tttctttcta aacggacgct gctttgtgta tggctctgct cctgggggca 180
gacgcggcag gctaagccct gcggaggagg agcaggagac agggacccag agaagtgaag 240
aggcgttgcc ttaggntgca cagcagatga cgctctcaa gatggaccct aggttgtctg 300
actccgtctc acagctttgc cccatttatc atgaagatga acgctggtaa cactgctacc 360
tacgagctga gcttgccgcc attcctgggg nggacatgca tgcgtgccgc ctcacgcaat 420
gtgctnagtg cacaggaagg gagaccaa n ccccttgagg gggtt 465

```

```

<210> 205
<211> 181
<212> DNA
<213> Homo sapiens

```

```

<400> 205
agtgtctctc ctgggttatcc cagaaacacc agtcgctgag gatctctcac ctgcagttcc 60
ctgctggatc ttcattctga ctggtcaacc aattgttcca gtgcattgaa gggctagcat 120
ttcatcatcg aattgctttg tacctatgtt gaaaataaaa tggatgatgtg tatgtggctg 180

```

t

181

<210> 206
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 206
 gcaaacaagc tgagagttaa agtgatttac ccttcctgaa agaggaggtc atgaacagaa 60
 ttccaggatt tggacctgta caaatgccat taaggcaatt tttcaggac ttaacaaata 120
 cccacctggg gatgttaaac tacctttgaa gaaagcagct gttggcccaa attgtggcct 180
 acaaagaacc ccttggattt taaggataag aaagatttgt atgaggtgga ctgacttctc 240
 tcccaggagg cagccatatt gaaggcatgt ggcccagtga caacaataac tgacatttac 300
 tgagcgttga caatgaatgc gcgtaagact tacataatct cattatctct ccaataactta 360
 ggtgcatgtc taattatcac cattttgc 388

<210> 207
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 207
 ttagaaatgc ccgntactta agagtanctt gccnnancta caaagctgng ngnttnnaac 60
 tnanngtgat ggccattgat ggtttnnntc tcctganenc aggatntgcc tgcctcagcc 120
 tnnennagtg ctgggattac aggcattgag caccgcaccc agccaaggat tatttaagga 180
 tggactccaa atccagtgac aagtttcctc agaagagtga aagatgtgaa gatagaggca 240
 gaaattagac taatgaatct ccaaaccaaa atataccaag gactgccagc agctagtgga 300
 gaaacatgga acagattctc cttcagagct tccagaaaaca atgaacacta ccaatacctt 360
 gatttgagac ttagtcttcc agaattatga aagaataaaa ttactgctgt tctaaacc 418

<210> 208
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 208
 gaagaactcc cccttggaaa aaccatcagt gccggaagat ttcctattgt gttgatccat 60
 ggcaaggag actgcagata cacaaggat attatggagc ccagacgacc tgaataaaac 120
 ccttccctac tacaaggaca gctgtccctt ccctacacac tccctacagg ctgatgagag 180
 accttttttg gaagcagaaa cttatacttt atgctgcctt cttcctgact gccaggatta 240
 tactcttcct ttccatccca gatctagcaa tgctgttgat gaggctaagt catgatgatt 300
 tctttaatat cttggaacac agtagatgcc tgatatttgc tgatggactg gagaaaaact 360
 gaaagtataa accacaacat ctcaagagat gtcattgaatg gagaagcata tggtaaaata 420
 taatgaaaat taaatctact ttacaagtgg 450

<210> 209
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 209
 ctgaggaaac tgagacttgg agacttatgt gcaattaccc tcaagcaagt ggtgaactgg 60
 attcagtcca tgcagatgtc tgggggtggga tactgagatg ctgcgttgct catgagctcc 120
 caggtgatga gaaggggcct ggtccatgga ctacacgtgg agcagcagag atgtatcgac 180
 ttgtccattg aagagacaca gaccaggaaa ttgatctgct gccaccccag aactgtgtca 240
 tttattttatt ctgcccatac gtattgggtg tttctcctgt cccaggcatt gtattgagat 300
 acagtagaag actagaagac gagacaggcc tgctccctga cctggtggac tttagaccta 360
 aagcaataaa attagactct tacaagtgc 390

<210> 210
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 210
 gctctgggtg agtggtccag aagctgacga tgatgcagga tcgtctccct cacacacaca 60
 aatgccatgg caacagcaac tccgtgacaa cagcaaagaa agccagactg gaatttgcca 120
 acccagagtg tcgaccatct gtgaggccaa accctccaaa tgttgcccgt tctaagtgtc 180
 catctcaacc aggcttttgt acatagcaga ggcgacattt aagtgcata agaataaaca 240
 ttgggcacat gtg 253

<210> 211
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 211
 gaatgttctc ctgtttgttc agccagatct gggcttagtc ttttgctttt ctacacggat 60
 tctaaaatca gcttgagcaa gtccatgaag aagcttcctg gagatgctga caggaattac 120
 tctggatttg tggaactgga tagagatggc atctctacag cattgagtct gtgcaccaac 180
 ggacatggca tttctctcct ttgattcaga acttcctatc tttcaataaa atttcagaat 240
 tttctcc 247

<210> 212
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 212
 attcccaggt gaagctcatg ctgctgtctt gcagaacaga tttgagtcgt aatgctctag 60
 aacagaggtt ctagagtacg aggaatgtac cttctcagct ccaacacaga cctactgggt 120
 cagaaactct gtggatggga tccagcaatc cattccttat tgagacctcc agg 173

<210> 213
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 213
 gatggggagt atgttcccca aagctgcctt ctcaaggagt tggcgccttt tggggagtct 60
 tggatgcccc attcgaagac tgtggtgggt gaatcaggcg gtaccccttc gccaaagagcc 120
 tggggaaatg ggccaggcca gggaggacgg aagaatggct ccatctcaga atgcaagtgc 180
 atcctctgcc cgctccagct cctccatgtg ccctgcccag atcctggcac ttctcactgg 240
 agaggactcg gcccctgccc agggctcatgc agttatgaag gatgaggcta gaaccctttg 300
 caccatctt tttcaaatta cttcagccaa agtaagcttg gtgaataagt tgcaattaaa 360
 ataaagggtga acaagcctgg tg 382

<210> 214
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 214
 gactcaggct tattgctgtt tatttgtggg accctgctct tttgcttgga aaccaagcaa 60
 ccagactctt cactaaacca acaccaacag atgaagttag aaggcttgaa gctcttcctc 120
 agccccaggc ctttcttctt cttctttttt ttccccccag catttgtgga atgtaaagtt 180
 gaccagatga accaaaataa atttgtttac ctggcttctt 220

<210> 215
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 215
gtcagcatca caagacgcat gaaagaggac tcatcgccag ggcatggagc tgggtgttttg 60
atcaaaatgg aatttgctct caaatagaca tgtattcact aatctccttt ctttttaaata 120
agtaaataaa acaaacacaa aatctc 146

<210> 216
<211> 268
<212> DNA
<213> Homo sapiens

<400> 216
ctatctgctg cacacgaagg tatacatcaa ttgaaccgcc aacaccctac cccaagaaga 60
gtacctggtg gaagatccaa cagtatctgg gagtaatgga gttttctcgc atggagtcca 120
gaagatgaca tttgtttaaa gaagaagagt aaagcaagat aattatcagg gtagaagtgg 180
agttgctact acatggccaa gaaaagtgtg aatgtgctgc agtgattggt tgatcccaag 240
ggcaacacac tcagccagac tgaaaaaa 268

<210> 217
<211> 381
<212> DNA
<213> Homo sapiens

<400> 217
ctcacaaattg gatatactgg ttatttttacc aaggctttta ctggaatgat atattttttg 60
atatgaccag actgctttga gcaatttagg ttgtcttcac agagcaaata aaaagcccct 120
tggaaaagact ggcttggtgc ctcactctaca tggctccctt acgagggtcc tgatgatctt 180
gtgggtagtt caatacactg aatgggttgta taagtgggaa aagtggcatc ccccttgctc 240
agtttctata agactacat tgaataaagg cctcaatcaa ccatccatac ctactgcaga 300
ttcttctaga tgctgatgta tgcggaaccc agaatttcta ttcttggcac ccatataagt 360
aaattttatt tgttctgcat t 381

<210> 218
<211> 298
<212> DNA
<213> Homo sapiens

<400> 218
ggagcccaga gggagccatc caatgccctt catgaagtca cgcatagtca gccttggtact 60
gattctgcaa aagaggaaaa attaaattat gagaagaaac tggaaacttc caagaatcct 120
aagtgtgtgt ttaacattct gtaacttcca ttctatttgt aaattttctg taacttttcc 180
acttcaatat ttgcttgaat attggtattt aaccaatagc atgttgaact tcaaccattt 240
cttccctaaa cttttatcct ttttatattt ccttgcataa taaattaaaa ataagcag 298

<210> 219
<211> 128
<212> DNA
<213> Homo sapiens

<400> 219
ccatcctcca ataaattcaa gtttttattt tggaatgact ttccatttaa agaatttcga 60
ggatactaca aagagttcca gtatatcctt cattcatctc tccctaattg gagagaagga 120
ttattttg 128

<210> 220
<211> 270
<212> DNA
<213> Homo sapiens

<400> 220
gggttacata attagcagaa gggaggagct tcaaactcctg gcactctaac acagagattg 60
ttcacttaag actacacagt accacttatg aaaaaaaact ggcagaagggt gttgggtggac 120
aagaacctct cctcttcagt gaagtgaaca gaccccgcca cgtggccatg agaccataga 180
gtacgagatg gaaaagagcc acataccact gtgcaagtgg tagtttgaac tcctgtatgc 240

gtggcttata tacacacact actgagattt

270

<210> 221
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 221
gagctgagct gggttttaca gagttaccgc gaggatttct gttgtgggaa aataccagg 60
aagtgactga gccagccag acgtcactgg agacatgcag aagaaaaggc aagattggtt 120
gtgactctcc tcttctggga acattctaga aaggggtagc aaggatgctg aaaccaggcc 180
agctccataa gacctcactt tgcagaaata gagagaagta aggggtgtag gtaggaagaa 240
cagagtggta ctgagaagtc tcaaggaaga gagcgaaggg gaagagcagc atagaaagtg 300
tggctgcatt tgcgtgggtg tcttactgcg tacaatgggt gagctccatg gtccttgtca 360
gcctccctca cagggggaat gccgcagatc tcttgaaaaa aaatagcttc ctntttagcc 420
tgncccgaat tccccactat ttncacaaca gggagaatgc c 461

<210> 222
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 222
attcattcct ctgaggaccc tcaagtactt cagaagaact aaaaaatgaa tatcacgtta 60
caccaaagaa gaaatgaaag ctgccagtgt cttctgaagt taaacaggct cctgttcttt 120
gacccagcaa tccaatccta gtgccatgtt tgtggacatc cccccactgc ctttcacctt 180
cagaaaggaa cagctccttg tgggttgact tgggtgatatc tgtccataga taatgtctcc 240
aaccccaggc tcatactca gacatctgcc ctcaggagga cacgttcac cccagacca 300
gagacatgtc tgccaaggct tttggaactg attttatccc catgcaaaaa gctagattct 360
aattctgtct gatcacaaaa ggttgaatca aagccctaca actgaggttc atgcaccaa 420
acaagaaata catggaaaag ttgccaaagg attttagaat atcagaggct gtaattcatt 480
atagatgtgg atccttttgc tttcctctaa ggaaaaaaa tattcaattt tattaagaaa 540
aaattcccac taactgnngn catgttcaaa gcactccaga aaatatattt aacgccacan 600
ggtttcgctc aaggaagaaa attcatcatt ttaagggngg ggggaaaagg agctggncat 660
tcattttctc tcaccttatc ctaacantta taagttaaaa angggangga ttggcttttg 720
nctaaactcc atggacaaaa caattttttg ccttt 755

<210> 223
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 223
aaaaattgac agcaggggcc atgtctgttt ggtttaatgc tgtaacattc caagcacaca 60
gcaaattgtac ctcacgtgat taattctcat gagtaagcag agatcttgac ctgtagcttc 120
ttacatctgc ctatttgttt agcagaacag agaattacgg taaaacagag gcattggtaca 180
agcgtttgtg tttgctttac aaacacgtct cccaacttag taaaaaaa cactgcaaac 240
tcttaatttt agatcttctt angtttggtg taaatagaaa gtagagtata atgntttata 300

gatttatttc	taaactatat	tatgggtact	tttctcgngc	ttttcagata	tttnagaaat	360
tgggtatgng	ctggcatgaa	tattggaatc	cttttttnnt	taaanggtta	aggaaaaaat	420
tt						422

<210> 224

<211> 207

<212> DNA

<213> Homo sapiens

<400> 224

agtctgaaat	gattccacct	ggtcttagca	gaaagctggc	ccggaagttg	taatacatga	60
agatccaaca	gccaccacgt	gaccaagaga	aaaaagccaa	aagaatcaca	gacctggcct	120
tcacattgta	aaggttctta	gccaggggcca	atagttgccc	ctctctgaac	ttcttatcgt	180
atgagaaaaa	taatcattta	cttgttc				207

<210> 225

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(382)

<223> n = A,T,C or G

<400> 225

gtttttgcaa	tcgcctgtgt	gttttctcat	tcaagaaact	tgagtaattg	tttaciaaacc	60
agaatgtcct	ctgtactgag	cagaagaacc	ctgcagtcct	ttgaccagga	aagcaacatg	120
tcaaataata	agagcactgt	ctcgagaatt	agagagccag	gccttggctt	ccctctaacc	180
ctactggcca	tgtgactttg	ggcaagtcac	ccttccttcc	tgtgcctcag	cttcatcttc	240
tgtataatga	gaggactgga	ctaagtgaat	ctcctctaac	cgtgacttac	acacaaacac	300
acacacacag	acacacacag	acacaaacca	cncaccccaa	ccnncacca	ccacettaca	360
cactttgccc	atggatcttt	at				382

<210> 226

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(482)

<223> n = A,T,C or G

<400> 226

ccggacctct	acattgctca	atatggattt	acacattgac	attataggaa	catttgaacc	60
atctgtaata	ttagcatgtt	tctagagaaa	agatggctca	agacaacaaa	ggctatacca	120
cctactaccc	tgggaatgaa	tgcagcagga	ggctacttagc	tgaggcctcc	attgtcctta	180
tggcatacat	ctctggagga	tggctccagcc	acgataaatt	tgcaatacag	taggtctgct	240
ctggctggag	cacagcagac	attttcctac	agtgctgggc	tctctgatgc	gagatacctg	300
gaacaaagac	ctccctaata	aaatcagcct	ttgcctttcc	gggtaaggcc	cagcatgtca	360
atcctgctaa	aaagcagaaa	ggaatcctga	agcagaangg	ttgtaatatg	atganggagg	420
aaccaaagga	agaagtgagg	aaaagccaaa	taatnccttg	ggccttggca	cttgactcct	480
tt						482

<210> 227

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 227

```
cagttccagt gccttgcgagg gaatgtcttc accagtgtctc taaaaggcaa caggatttttc 60
tgccctgtat ccagcagctt aaggcttttg tttcaaaagg gaataagaga gaaaaatctc 120
tcctatcatg cttttcttgc ggtactgttg cctgttttta actttttgta taaatggaat 180
cattcagtat gtacattttg tatctgtttt ctttcaactct acagtatgtt tgaaatggtt 240
ttatgttgct ttgtatatag ttttcttcag atttctgaaa gtatgaccga caaataaaaa 300
ttctatatat ttagggcata ccatgtgatg tatatattta catatatatg gaggcatagg 360
ggaatgatta ccaccatcca gcttaataaa natatccacc acctcccc 408
```

<210> 228

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 228

```
gtcaagtcac tgagggtgcag agacactgcc tttctgtcct aaagtccagt tcaggccagc 60
tctctccaga gttccaggct tttgggtctcc gtctgcagat ctcccttgct ttgaatgagt 120
ctgtccctga ggagggttag gagcaacctt gagaaggaac atgatgggtca ctaattcagc 180
cagaacactc tcaagggtgca ttctgagcga ggctgatgcc aggtgcagaa caaacacctc 240
ttgcgcctgg gagcttctctg aagtttggag aatgtgtcag atatcacctg tttgcccctg 300
ggggcctaac cccacccctg tctgcatttc gtgcanacta cactnggggc ttccgttggc 360
cttccgtttg gncagcagga aacttntggc aaaagatca 399
```

<210> 229

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(283)

<223> n = A,T,C or G

<400> 229

```
tgaccgctgg aaagggaaca ccttgcaact tctccacga ggctttcgat cctaattgtaa 60
ggagcagacc tctcccgtca gaagtacatg gtggggaaaa agggccatgt ggacacatgg 120
aaacggattc gggcaggacc agaactattt ccttagccac acagatgaag ggtttgtact 180
aattcctcag tgaggaggaa ctggaaccgc atatcaaaat ccactgtatg tcctntatag 240
tttattgtat ataattatgt accataaact gtgcatggct tac 283
```

<210> 230

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 230

```
gcagtgttgg tctgcaagct tcaagagcca gtgaccctga ctgccaagtg atttgccgaa 60
gggaattatg gttttgcatt tgatggtttc caggaactgc taagagttag atcatccctg 120
aagcagtgtg tgccagagga aggcgagaga catatggttg ccttacagga gaagaacatg 180
tctnagagag ctctactccc tccagttttg gccccagaat gaaacacagg aagaagacct 240
gaatttgatt tgcatgttcaa agtanaactg tcccagctga catgaagact gatnaataag 300
```

```
gaataagtat ttattgntgn atgtcactga tattttctgn gggccaatat tntgtanaaa 360
aacctgncct tgggccnctt accattaaac cttgaagaa 399
```

```
<210> 231
<211> 60
<212> DNA
<213> Homo sapiens
```

```
<400> 231
gtggatgaag ttgggtgctt cctgtacatt gattttgctt ctttctggct caccaagaaa 60
```

```
<210> 232
<211> 321
<212> DNA
<213> Homo sapiens
```

```
<400> 232
gcagcgacat tgcgcattaa attactcccg agaactcccg agcaaagcaa caaaaccatc 60
aaatatggct gagccgataa tgcgccattg tgggtccagcc tgggcaataa gagcgaaact 120
ccgtctcaaa taaataaata aataaatagg aacagtgatc actaattaca aaattgaata 180
tcgaacccaa aaggcatatg tgtccaccgg aagaatcttt ctgaatatat caggtttgat 240
tccatgtaat cccacaccag cccaactacc cacatccaga cccacatcca gaacgttata 300
atctgataag tgcgacaaaa c 321
```

```
<210> 233
<211> 240
<212> DNA
<213> Homo sapiens
```

```
<400> 233
aagcacctga gactgcagag agtgccatgc aacaggaaga tcagtcaacc acagagcacc 60
aactatcact tgcccgaaa acatctaccc tcaacactgc ccagggaaca tctaccttct 120
tctgggtcaac catttacaat ctcttccaac ctccaacctc cataccctct cttaccccc 180
ttctctcaat atagcctcac cccttgatat tcatgaagga aataaacccc cttataacaag 240
```

```
<210> 234
<211> 600
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G
```

```
<400> 234
gcagcacctt acaagaaaag ccagaaaaga aaaccctgtg gtattgtaag agtttaaaga 60
gacagccact ccaaaagaaa atggacattc acattgacgc ctggaaaaga accaggagtc 120
accatgcaaa tgtgtcatag cagcgagaag tcctgtgaaa gcgaaggaga tcagccaggc 180
tcccgtgagt cacggttcag gattcagatc ttcattcttc taagacactg atctcactgg 240
tcccagttat tcctgaaacg ctgtccctcc tccgttttcc ctgaaattta tcaattaaag 300
taccggntct tgtgtaaggt aaaaagatta agaagtttga tgagacagag tttacaacag 360
ctaaaaaaga agcttaatgg gatgggagtg gttcacagat ggtgcaaatt gtctgctaag 420
tggcacttta tggatgggca gaatccatga gagttttatc ttgaatttct atcaggctgn 480
attcagcana aactgggtcc ctggaaattg gcatttttaa aaaaatctct gncgggggnc 540
tatctttcct ggggtatacca atggcagntt cgacccattc nagctggggt cttgaacaag 600
```

```
<210> 235
<211> 202
<212> DNA
```

<213> Homo sapiens

<400> 235

```
gggaaaatttg gacacagaga cagacatgcg cacaggaaga atgtcacgtg aagatgaaag 60
cagacatcag ggggatgctg gctgcttaca agccatggaa tgccgaagat agtgagccga 120
caccaggagc taggagagaa gcctagaact gacgctccct cacggcctca aaggatccaa 180
atctgctgac accttgattt tg                                     202
```

<210> 236

<211> 427

<212> DNA

<213> Homo sapiens

<400> 236

```
cacatgctta cccagaccct gatacgatcc tggaccaggc agaagcagcg tcctttctcct 60
ggaggagctt ggagcagcag caggaggcag gcattacacc ccgataagca tgcagagttc 120
tgaagaggaa gctcgcagcc tcactcactc caggcttttc ctctggacct gagctctgat 180
acccactgca ttgtcagaac cagagcaaat ctggaggcca gagagcaaga ccagcaaagc 240
caggatctct ggggtaatta ggcccgcctt gcccacaggt gctccacagg tggctctcagc 300
tcccagcaat gaccagggga gaagcccacg ggaaccctca gctgcaacca atcctccaga 360
ctgctggcct gcctgccttc ctgaaatagt ccagatttca cttattaaac atattaatct 420
gaaagtt                                     427
```

<210> 237

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(248)

<223> n = A,T,C or G

<400> 237

```
gtcagagaga canggaacca ggaggccacg actggaaagt ccaggcagaa gagaactgtg 60
gagccagccc agggaaggac agaagtggaa aagtcaccac agacaggaaac aagcttcctg 120
gcacacgact tncctgccaa acaactcaac tgtagtcaaa aggaaagaga tttgtctagt 180
cctataccag gacaaggagg agattccaag gtgctccaaa ctttactgat tgtgcccttg 240
ttcagtta                                     248
```

<210> 238

<211> 401

<212> DNA

<213> Homo sapiens

<400> 238

```
gtgtgaactt gtatcccagg ctggccagtt aggatcttcc attccatccc caccaccatg 60
actggttcag gaacagggaa tgagattcga tcctgaaacc cacattgaca ctactgggaa 120
agataaattc ccctccccac caccatttga agagactaat ctggagctgc cagtggccac 180
catgtggaaa aagcccacac aagaatgaca ccaacacaga gggagagcca gcctgagagg 240
gaggggagaag aagaagaaga gacccgatgg catcttttca gctccgggac ccaggtgtac 300
tccaccctact cgactttctg gatagaaaag ccaataaaca ccctctaata ctcatgccag 360
ttggactgtt tttcaattaa aataatccta acacaccctt t                                     401
```

<210> 239

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(490)

<223> n = A,T,C or G

```

<400> 239
acgggagtctc actatgttgc ccaggctggc cttgaactcc tgggctcaag cgattgatcc 60
acctctgcct cctgagtagc tgaaactaca ggtaatctgc atctcattaa ttggaccata 120
agaccaagca gccagacctc agttttatcc ggggtacaaa tctggcagct ccactgggac 180
agagctgccc tcagcagcta gaggcttggtg acctgacggg ttttaggaga ctcccagcag 240
ctgctaggta cagtttgtcc tgaggacgct tctgagaact ttccctgggc aaaaggacca 300
cccatccctc tgctactggg gtagaanagg ggctaggaca ctgaaggggt gagtaaaact 360
ggatcataag cagggagtct attgcttcct tatcaggggc ttgcaaagc cattcntttt 420
tggtanccct ttaaggagac aannngggct ttntttgann ttttcncttn gcataatngct 480
tgaaaaata 490

```

<210> 240

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(330)

<223> n = A,T,C or G

```

<400> 240
ggagcaagcc tgtcaaccan nagcatacga aaccggagtt cttgccttat cagcccttct 60
gcatgggaaa gctgcctcag cacggctctg tctgtgaatg cctaactctt cccaattctg 120
aggctcagaac cagcancctc attggctaag agaactgaag ctatatcctc caacttagct 180
tatccgggtta aaagataaaa ggatgatatt ttgantnctg taannaaaaan gncggaatag 240
gccttgaagg ctcnanttga nccgggncca aanagctnga annnggggan ctggnagagn 300
ancaccatga gacggggaaa gggggatgga 330

```

<210> 241

<211> 139

<212> DNA

<213> Homo sapiens

<400> 241

```

aattgaaagt gaagaccgat gaatcatgcc ttctgatcaa gacccatggt ggagattggt 60
gccctgacct tgggaaaagtc tgtgtccatg taaattcaga tcttaatgaa acaaaaaataa 120
atgtaaagca ttttctggg 139

```

<210> 242

<211> 457

<212> DNA

<213> Homo sapiens

```

<400> 242
ctgaggccaa agccccctcc ccagagcaga cccctagcac tccacagcag gatcacaagc 60
tgggtctctgg tcccagacct tgcggatcct tgtcgacgct tccagtctcg atcacttccc 120
gatggtttga atgtgaagtc aacaatccac ggaacaattt gcacttactg tttctagggc 180
ttttgcagtt aaaagtgtct tcagtttccc cgatcttccc gcaggtgccc ctgcagtcag 240
aagctgagtc tgtcccttct cccagcagca gctgggtaca ggatctaaca tcagtctctg 300
cctgctggcc agaagccaca gctgcaacgt gctttcaaga aaaatgggcc aggcccaaag 360
gagctccccg tcaagtgtct ttcatgtgtc ccagcacaaa gataaaatta cacttccata 420
ggagtacaca aactaaaaat aaaatttaaa gaaagcg 457

```

<210> 243

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(420)

<223> n = A,T,C or G

```

<400> 243
gacgtctggt tgcctcctgcn ttaagtcctat ctgagatcaa ctgtcacttt tcccacctgc 60
tttgtgactc atgaagctgg ccttcacgga ctgccccaac cagcctctcc agctctctgg 120
tttccaggta tcctctggaa tacctggaaa tatacaatag gaaacacccat catgagatag 180
gaaaacagga gaagagagag atgaaganaa caggaaggaa acagattgag acctctggaa 240
acagatattg agacagagtt gcatgcagaa gatttattgc ggagcacgct tgggggatac 300
acctataagg aacttgatga angcaaaatg gacacagaga gaggctgact cgtgatacag 360
ctgcatccag gacatcagct gatcttatat ggagatagaa taaaccttca cagttgtctc 420

```

```

<210> 244
<211> 463
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

```

```

<400> 244
gtgcttcttg actgggaagg agtggaagag gtccctaggtg cagaagggtg tggaagataa 60
gggtcaaagga tgtgctggtg ggaatgggag acaactgaga aggtgagaca agctggagga 120
aatgtcagga gctgctgaga gaagctcagc ctgaccagag atgagaattg ccatcttgaa 180
tcgtcaggaa gtgaaggaaa gccaggtga atgccacca atcaaaaaga aaaaacaaat 240
gcagatggta aggtagagaa ggctctgaag cccaggtaat gagagccatg ttaccctgga 300
cagaagcatc caacaccaca catctccaag gatgttggag atccagcatc tggatccagc 360
taacttctgc atcctcttct gtcttcaaaa agtaacattg gccgtcctg cntttgntgg 420
acaacacccc ctaaaacgag tgtntttgta cgttttcaca cac 463

```

```

<210> 245
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<400> 245
tttcaggggt aatcttgtga caaaccaggc atggagagct agctgtgaaa ttccagagat 60
gatctcaagg taattagtct acagcccagc cactgctgag atgacaccag cacacgctcc 120
aggtggacca tgactcaaga cggccaccag aacaaggcat accgacctta cactcagcac 180
catgcccgca tgcctccctc tccaagttcc tcttttaagc ccctctcccc agcctaaagt 240
ttgaaatgtt tcttgtaagg aatgagcctg gccatttccc caaccgctgg cttttggaat 300
aaagtcactt tccttttt 317

```

```

<210> 246
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<400> 246
gctcctgtga tcagctgagt gctcgtaaat tcccacgttc actaaacccat catagtctctg 60
ctgattctca gcttttagagg gaaactctac agtgaacttt ttcaattagc agtcatcaat 120
tactggtcag aatacattat aattgtgaaa attatgctcc attaattctca ttaaattgtgc 180
ctaaacctgt aacttgtcat agttcgatac atagggtggc tatatttaac tttccctgat 240
cttattttgcc atttttttgca aaagcatcat ctaaaatgta gagagagttg tcagtaattt 300
tggtcttttta ataaacattg 320

```

```

<210> 247
<211> 218
<212> DNA
<213> Homo sapiens

```

```

<400> 247
gtctcacaga actctcttct cttcagaatc catcatcttc cctgactaag aattcactgt 60

```

```

atggagagca ctaggagttg taagagctcc aagcctaaca taagagacat tcatccagct 120
tttagatacc acaatctatt catctgtgcc tacttacagc caaatatcag aattacatgg 180
aaatgttagg ctcagaacca taaagactgt cagaagag          218

```

```

<210> 248
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

```

```

<400> 248
ataatgaaat aaagctcaaa gaggctcagt ttccaagatt acacaaccag aaatgacaga 60
agatgggtcc ctctgggatt cacgctcctc tgctgggagt ttcacaccat tcgccatgtc 120
aacatgaagc aacagctggg ttgaagagag ccgataaaaa tagcagcatc gcactgcaag 180
caagccgcat agaaaagaag gggagtcacc gtacttaatg caggggtggca ttgatttctt 240
gtcttcccag tccagtgggtg tatttctcgg accatctact ttttcagaaa gagcaaagtg 300
agctgcttgt ccatatgagg aaagagacgc taagagaaat tgaggaactt tgctgacctg 360
atgtaactag atgggactag aaaccttggc tcgcggacca cagagttgac attacagcca 420
ttcacatgag tttgcatttg tcatctgaac cttctggatt tctatcatgt cacttgctgc 480
gggtctcttgn atttgtggga attaaaatta aattggggag gtttttattg acttcttttc 540
tttgag          546

```

```

<210> 249
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

```

```

<400> 249
agagacagag tcaagcatct gctagcgtcc ttggacaaga atgcatgtgt ggacacagag 60
acaccagacg ccaatacctg gaggaaaact cacagcctct gaccagaagt gaactagcaa 120
caatggtaca gttaaaggat ccgccttgcc actcggctcc ttataccaaa agccaaacct 180
cttttgctaa agcagagact gttacatctc agcctcaagc tggcaaatcc tgctttggat 240
cccggcagag gaaattcagc cgttcattag ccttaacaag ctgctgtcac taagcgaaga 300
aattacacga gcagncacac acccggggct tttaanagcc ntccccccaa gggcaagcgg 360
gtttctccag gacggactgt acaagttcac acttccatag tgcaaatccg gactgtcttc 420
ttgggct          427

```

```

<210> 250
<211> 530
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

```

```

<400> 250
aacatgagct caggaggggct gggatttggc ctgccttggt ccctgcagta ctgccagaac 60
tagcattgca cctggaacat ggaagggccc aggacacagt ggccgtggga caagagcatg 120
aagccccaga gcctcaagca cagatgtacc tctcctgggg caggggggttt cactctgccc 180
cacagcggga ggctacagcc tggccatcct ggggaaaccc aaagggaaca catggacaga 240
tcagcatcca ctntnaaaa tgccaatgac ttcaagctgg aatccaccca caggctggtc 300
gnccctggct ggccaggaaa aggctttatn accatgccac aaaagctttc aangggcttt 360

```



```

tttgganttt naanccccct ggcctaaggt ttgaaaaagg cangggcccc cccaaagncc 420
tttttttttg gggggatttt ttaccctatc nnatttttaa cttcaaanaa aaatttttaa 480
gccttncccn gggaattcat ctttaaanna tttgggtcgg tttttttaac 530

```

```

<210> 251
<211> 279
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

```

```

<400> 251
caccataaaa attcaatgga ccaccatccg gacaaaagga taaaaacaga acacatcaag 60
ataatgaatt ttcttcaaac tactgaggta caatgaaaaa tggaaatatt atctcagaaa 120
ttacaacaga gggatgaaga tatagcatat gctgtacctt aaagatacat caaatgggac 180
attgggaata tggattgatg aaatttaatt tgcgattgnc ctataatgcc ttttcattac 240
agtaccacac aaattgaggc aataaatgta tatttgatc 279

```

```

<210> 252
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<400> 252
gatgagaacc tggctgttta aaaacatgga atcagtggag tcctgaatag cagcacatga 60
cttgcaacaa ctttcaacat ctcataaaat ggctgctcag cattcacttt ccatctcaga 120
gtcacttctt tggaaactgct agggagtcca ggggtacattt gagtcctggc agctcatgtc 180
ctgctctgtg gcagctcttc ccactgctca taggagtccc ataccactt ctcaaccatg 240
tccggctgag cattacaaat caccttctgt ttaaaataaa ataaaataaa aatctg 296

```

```

<210> 253
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

```

```

<400> 253
gatgaagaaa acgcagatca ctctaagaat gacaggtttc ctgggtgctg tgaagcatac 60
ctaaacagat agctgcaaag aaggatcttt tctctatttc aagacatgaa cactgcccc 120
tccccactcc tggatatttg taccctaaac aaaattgggt atttgcctga tataacctga 180
aaaagggtgg gctattatac ttacatagtg atttatagtt tacaggctgc ttttacgatg 240
gtctcattta gttttccaaa atcaagctgn gatataagtg ctattattcc cttttttaa 300
aaggggaaat gggggacatg tganggtaaa gtgagtgggt caagggtaca cgactagtca 360
gcagcagaac caggactaga attgcaagcc cagtgttctt ganggttgag cccaagaaa 420
ctctgtccag ggctttgcat catggggatt tgccccaccc nccntaagca ncggagggat 480
ggantgcaaa aacactggcc tttttctttt gtcccaancc tgcctnttgg gaagtccagg 548
accaaaaa
548

```

```

<210> 254
<211> 219
<212> DNA
<213> Homo sapiens

```

```

<400> 254
caggtaaaca accaccacag atgcaggaat ctgacagatt atgaatctgc tgctaatact 60
gctgacttca gtcccaggct actctgccat gatacagaaa tatgccaagt ctgctccagg 120

```

aagctgctga atcaggaatc cacctaccac attgggcagt cactgctagc tgccacctcg 180
gccttgatcc tcgccagcaa aatatatgcc tcaaacttg 219

<210> 255

<211> 374

<212> DNA

<213> Homo sapiens

<400> 255

atggggatttt cggatgttgg aatcatgagg cttttgttta agagttgctt aagatgttct 60
tcagatcctg aattccagca gaacagctga catccacaac cagtttgagg atccccacag 120
aagagctgaa tcaacatgag aatgcagttt cttcatctct ccagtccatg acttcaccct 180
gcaatcccca cagaagagct gaatcaacat gagaatgcag tttcttcac tctccagtcc 240
atgacttcac cctgcaatcc ccacacctca gcccactcca aacccttac aaactcctca 300
gggaggcaaa tctgaggttt ctttccatct ccttggttcag atgccctatg attattaaac 360
cctttctctg ctgc 374

<210> 256

<211> 199

<212> DNA

<213> Homo sapiens

<400> 256

gtcatgcgtt taaaaagaag agggcattct ctgcctgcct gctgcttggg cagtgaactt 60
gactgttggc catctcagac tgcaaatgag ggcaatacta tacgaggacc aaatgacaat 120
gaagggaatcg ggatccctgg atgacttcat ggaacaaagt catcgtatct ttcctggaat 180
gccagcttcc aatgggtgc 199

<210> 257

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(463)

<223> n = A,T,C or G

<400> 257

gaagggtcaag ttnnaagccc cgatggattt gatgcagccc ttgttgcttg nangatggga 60
ggggggttcat gttgcaagga cgtgggtgat ctcccagcta acaccagcaa ggaaaccagg 120
actgcagtct cacaaccaa aagaattgaa ttctgccaac aacaagaatg agcttggaag 180
tggattttcc cccaaagtct ccagaggact ttgccccctg agcagcgaag ccagccatgc 240
tgtgcagaac ttccgaccta cagaactctg tgtaacaaa tgagtgttgt tttaggctgc 300
taaagtttgn ggnagggttg tacacagcca ttcaaaaatt aatgtanagg ggggaaaaga 360
aacaggagga gctcanataa gcttctccca ccaccacaag ctgcatttaa agtggatagc 420
atcagcttca ggtagaaatn caaggaangt gtgttttgtc aac 463

<210> 258

<211> 34

<212> DNA

<213> Homo sapiens

<400> 258

tgagccgaga ttgtgccact gcactccagc ctgg 34

<210> 259

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

```

<222> (1)...(149)
<223> n = A,T,C or G

<400> 259
actaangaaa anctntatga ggatacanen agagggcagc caactacatt cctggaagac 60
anccctgaaa ccaacactga tggcacctag atcttaactt ctggcatntg gaactgtgaa 120
aaaataaatt nccattgttt aagccatgc                               149

<210> 260
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 260
ggaggaaaaa aatgagcaga aactgctaac atctggaggc tgctgtccag tttacgtaat 60
ctcttgctgc agaggaggaa cacgggatcc ccagccagat ggtccgtggg tgacttcaca 120
gcacatgtgc tacctccaag acagggttct ctgaggaaca aggaccttcc agagtgatgc 180
ttttccctag tggcagcctt ggccagggca acagacatct gcacaaacgc aggggtgtga 240
agcagctggt ctgagatgca gtgcctgaga atctgggatc cacaatgtga acttcccaac 300
aaccctgca cctgccactt tccttgatct ttccactaag caccagaaga cacatgcntt 360
ttaaatcaaa ggaatgtgag ttggaatttc agcttctgcc attcactgac aacatggcct 420
tgaacccttc ataaactcta                               440

<210> 261
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

<400> 261
caganactga ggacctcact ctgtcaccca ggctggagtg cagtgggtgc aatcttggat 60
cactgccacc tctgcctcca ggctaaagtg atcttcccac cttancctta caaggagca 120
gggantacag gaatctggca tcttccttta actttcaggg aaccatgggg ggaaactacc 180
catnggcttt ggtaaagcca ccaagttggc attccttttt aaataaaaaa ccttgggttaa 240
aaccaaaacc ttt                                     253

<210> 262
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 262
ggagtggaag aaagcagaca agatggggat tgcccagctc tgtgaacgtg ttggatgggt 60
gcgtctatcc cgagtacaac agaatctgaa ctcagggcag tgtgatgtac tccagaatct 120
accttctgat ggtcatgggc tcaggatggg ccttggagga gatctgcaca ggaagcacia 180
agctctgggt accactggaa gccgtcttgc ccccataaac cagccttagg atgccactga 240
tgctgtatgg cagaatggag taacagagag aatttgcaga ataaagaagg gacaatgcag 300
tcaccaggtc agcatthaag gaaggcttgg ctgcatcatc tgccactctg ctgctgctga 360
ctctgccagt ggggacagca catgcttctt tctacgcttg cctgaggntc gtaacttcaa 420

```

aacccccacaa cnnttttttgg aaggagtaaa a 451

<210> 263
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 263
 atgaaaaaca gaagcaacaa tatgaatcaa ggcattctca ccattcccaa gcttggaggg 60
 aaggatcctg tggcaggcaa atggaggaca tcaggagata aggcaaggtc cctgccatca 120
 aggacctgac agccggctat gtgattctgg gcaagtcact aagcttggtt ttacaactgc 180
 aaattgagat aataaaatta tctcccttgg 210

<210> 264
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 264
 ggtgagacaa cgataagtaa gcaaccacga cacaggaaga gacttgtcgg ggagtgggaag 60
 tgctcccagg agcatcaact tcgcctgtgg gctgggaaag tgtgcactgt cccagacaga 120
 cagaccagga tctggtgatg ttcccaggag ccaggcacga aggatcaaac agtgaaactt 180
 aagagtttga gcggccttgc ctectggatc ttgtctttgc ctttagaatt gtaattatag 240
 gatgtgtgtg atttttttcc cacttaacat gtcgtgaata ttttccatgt ctatgtaatc 300
 ctttaaaagc tatttacaat gatt 324

<210> 265
 <211> 82
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(82)
 <223> n = A,T,C or G

<400> 265
 acgggagtc t nactatgntg nccagcctgg ncccgaaccc ctgnccttag gantnttaaa 60
 angnaaatag cccaatcat tt 82

<210> 266
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 266
 aaaacctggc ccatacagag cttacaccta tgaccttggc ttcgtgggca ccatgatctc 60
 agcaatgcat ctatcatgcc tgcctttgga cctaattgagt atgaaccaca ttacatcaga 120
 gaagagtgcc aggggtcaaca attaatat tt tagagttaca actacatgtg aacctatgta 180
 cttgcatttt cagcaatatt gcagcatagt attattttatc tctaaaataa aaaatgcatg 240
 aatat 245

<210> 267
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 267

ntgctattgn	ctnaatcgnn	ggaaaatncn	ngganngaag	cgctagnnna	ccttctcngn	60
ccnntnccaa	caagccccgg	cctnctctg	ntgncatgan	acctcgaggt	ngcaaggaaa	120
tgctaagtga	ttccgagggg	catgctactt	acctacatgg	aattggcttc	nnaattcact	180
gggcaacnta	ctgagactac	cgtnnaggct	atttaaatcat	cttcactatg	aanngccaat	240
tctttanagt	nttatgacat	tcataaatga	ngcggggggc	ggncatgatg	aatgcagagc	300
aattccctgc	gacagatact	ttcaggggat	ttatgcccc	tcccccaaga	acaaaagggc	360
tcttgggctc	agttatcatt	tgntctgcga	gagaaattac	agtcttttca	gcaactnct	420
ttaccctact	caataaaaaag	cgcttatttt	tgaaa			455

<210> 268

<211> 182

<212> DNA

<213> Homo sapiens

<400> 268

agtgaagaga	tttctgactt	cctgtcctct	tccctgctat	attacataca	tctgcttaaa	60
ctctggaaaa	cagtaccagt	caaagtgggt	ctgaaacctt	cctctaagac	aaactaaaaa	120
gatgttaaaa	aggttacacg	accttactat	ttcaagtact	ggtataaaac	cactttctct	180
gc						182

<210> 269

<211> 502

<212> DNA

<213> Homo sapiens

<400> 269

gcagactcaa	cttcttagag	ttccagcaca	ttgagccctg	tttgtctcat	ccatcttttc	60
actgaccttc	caaaggtgga	ctggatggag	aaccccagct	gtccatttg	tttgaaatcc	120
ctttaagtag	ggactcggct	agaggtgttc	ttctgcctga	tccccagatg	aaaaggacgg	180
gaggggagtg	acagaggagt	cttcagccag	ctgccatata	cccatgccgg	accatggaac	240
ctgacttcca	gcgactgtga	gcagagaggt	agctagagag	cagaaagtag	agatttggct	300
ctcctagggg	tcttgagag	aactttgtta	tttcagcttt	tgagatatct	tctcttcctt	360
cataaggatg	agaccaggg	tttcctgata	gggcactgcc	ctttaaaatg	gactttggga	420
ataatttggc	ccactgggtt	tttttgaaaa	agaataaagg	ttgggggggtg	ggaacctaaa	480
gccctacccc	ctgggggaat	tg				502

<210> 270

<211> 186

<212> DNA

<213> Homo sapiens

<400> 270

aaaatgagca	acttgaaagc	agaaactata	atcactgtga	attttcccat	tgacctgcct	60
tgctctttgc	caatttttat	gaatttttct	atttccctca	aaaccttgta	aaaggactct	120
tcacacagca	gaattacaac	gacttgtctg	ttcaatgaat	aaatcagctc	atctttatct	180
tctaag						186

<210> 271

<211> 386

<212> DNA

<213> Homo sapiens

<400> 271

gcattatcaa	ctgatgtccc	acaatggagg	atgaagattt	actttctctc	tcatacaata	60
aaatgtcgga	taatttttgt	gggtacgcaa	ttccaggttg	aaaattaaag	gcaatattcc	120
actgtattct	ggtttccaat	gtcgggtgtga	agaaatccaa	agccactgat	acagatataa	180
gaaaaagatt	tgagtctttc	tacatcaagc	agaacatcct	tggaatttct	agcctggatt	240
tccaatgcc	acagaatgtt	cagaaggcat	tcaggccagt	gaagttacca	acacaacaaa	300
gatgaacgct	tttcaaaaaa	gaattgcatt	atttgcta	aactgatact	tagcagcaaa	360
ataaaaaacca	taaaaataaag	aggctg				386

<210> 272

<211> 482

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 272
 atctataaac taagaataat ctggagaggt caattcctaa ttagaaccta gtatggaaga 60
 ctaggatcct aaaactcagt ggtaactccg aagagtaaaa atctaccca gagctatacg 120
 tgaaagattg gaattttaca gggaggtttg cattttaaaa ctggttgctg agatttcacc 180
 agaactacca cagaaacata ccaggaaagc tgagagaatc cacagatcct ttgaaggaag 240
 tggcttgctg ttgcaggctc cttgagacag ccaaaaaactg acctccagta caattttcag 300
 gagaagtggc aagaatggac atccacctcc caccatgtga tgacatggaa tttttggcca 360
 ggtacggtgg ttcaaacctt taatcccaac actttgggag gctgaggcag gaaaactgnt 420
 tgagcccnan aagtttgaaa acagcctggg aaacatgcaa aacattaaaa cttgagatcc 480
 aa 482

<210> 273
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 273
 gccaatccta acccagatca aagatcctgg gacagctgga acaggcatgg cctaattggaa 60
 ctcccaagtg gacagggcca agcatggacg gacagagctt ctgaaacagt cctcagaccc 120
 cgtgcatctg gatctttctg taggaaccac ccatcagcag tgccagacag aaccaagcac 180
 atgcactgat ccaccgcacg atgggagctg gtgtgggtga gcttgtttgc tttagccatg 240
 cccacagaca ggaacagaag agcacagtgg aggccaccag ccctctcgcc tgctatttca 300
 aaaggggttg cagcagggct ggaaagcggg tcccactgtg gttgccccct tcctctctgc 360
 ggcacacaca gacctgaaaa taaccagaga gggactgtga gctgccagcc taaaacaagg 420
 aagnttgcan aaagtcctag gctcagatag gagagttaa aagaatgttg aaaccgaga 479

<210> 274
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 274
 cccccgttgc cactgaaggc tgcatttgag agatgccccaa ctgactgaga cgagaacaga 60
 ggtgctaccc tggaacctgg ccacaaggaa gccctgatgt gtttacagtg tgagcttgcc 120
 cacaacttca aattcatcac catcatgctc taacatcgaa gtccctcacgt gcctcacata 180
 aggaagcaca atttaaactg cataatagcc aatgatcatt aatgtttact gagctctttt 240
 aaagcagaag gaactatggg aattgcttcc catgcactac acactagtta atcctcacag 300
 ccaccacccc tcatgttaga tactattatc attcctatct catacacgaa gaagctgagc 360
 ttcagaagtg gttaagtaac ttgctagaga ccaaactgta aggagtaaaa ctgaagccta 420
 tgggcctatg actcctaagt caagactcag agccactctg cttatgtctc tcataaaaata 480
 tatttcatgg 490

<210> 275
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 275
 gacaagccac gccaaaggcca aagctgaggc agcgggaacag gccgccctgg ctgccaacca 60
 ggagtccaac attgctcgca ctttggccag ggagctggct ccggacttct accagccagg 120

tccggaatat	cagaagccca	tggaagccca	gggagatgtc	cctggggcag	acactaaggc	180
aggtgttgaa	gacaagctgc	ttgtcaagaa	gcatttcccg	gcaagagagg	ggcaagtctg	240
gggctccaac	tgggtacagc	ctgggtgcag	ttataagccc	ctttggctta	cttggttagaa	300
gatggctact	tggatgtacc	tcacttaaag	atgttttgta	ccac		344

<210> 276
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 276
 ggctgancac agtgagtcac gcctgtaat 29

<210> 277
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

<400> 277						
gagaaatacc	atattatccc	cattttgcag	atgaggagac	agaagtggag	agaggtgaag	60
tgacttgctc	aacatcacac	agttgccttc	ccacgtgtgt	gagaccattg	ctgtggaaag	120
aagccggggc	tgacttcagg	gatctgggtg	gaaatgactg	gacccatgcg	ttctgagtaa	180
acaagagagc	cccttctggc	ttctccggga	ggaaccaa	ggcttcagca	ttcagctcca	240
aagcccgatg	gagaccaaga	gtgatacact	gtactcatga	tcaactgctc	agttctgggt	300
tgggcctctg	agggctgatg	gggtttggca	gaacctccag	cacaatgttg	aatggaaatg	360
gtgatagtgg	gcattctgtc	ttgtaccag	tctcactatg	tggaagcttc	actatttcac	420
aatgaaggcc	cagaccggng	actcaaacct	gtaatcccag	cacttttgga		470

<210> 278
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(504)
 <223> n = A,T,C or G

<400> 278						
atgtgttggc	tggagctgaa	gcagacatat	tggaccatgt	ggtgacaacg	agaattgagg	60
ccaccatggc	aggacaaggt	gctgcagtga	ataccacaga	caactatagt	ttcaaagggt	120
ttctaccagc	aaaagacaag	aatttttgaa	gacactggga	tataagaatc	cagcaaaacc	180
tgttgcttgg	gcttttaatt	ttacgtctgg	tctccaatgg	ccttgtatcc	aaccattggc	240
ttaggaagaa	ttcttgtgac	ctgatgccaa	atctaaagtt	tgttgtacag	gagcagccca	300
gatttgggtg	gttcctctac	acaaggaaca	attgcctgga	gacatgattc	acagggagga	360
gggagtgcct	tcctagaaga	gctatcataa	aaagggtaca	caagtagatg	ctcaatcagt	420
gctgactgga	atgaaaagaa	ccaaagggat	gaaaagaagg	aatngaagnt	ttgcaaaaga	480
tgaagctcta	natccttgcg	acag				504

<210> 279
 <211> 509
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 279
gagccagtgt cctgggctaa acacaagagt gctgattccc actgtaagtt acagtgaaga 60
acttctgcta tctgagggca tgtgttttca tcttcaaaaa aggatggaca gtcccatga 120
accttcctc tccaaccaca caggccttgc ttctggacat gcagtgataa ctctctgttt 180
gctggatgaa gatcatgttg gctctatgca cattcagata accttctaca ccagacaccc 240
ctgggtgattg ctctataaat catattggcc aggagaaaagg atgttcagtt ccctaggctt 300
ttcatcatgg tcaattaggg aatcagccca aaaggctcagc atcactgccc ttaaatgang 360
tcacactcca tgcactctga gtaccccgga aaagctgtgg ngctggtgat taatgcattg 420
gtccagaccc tgggttttcaa cgaaggcaaa tccctggcat acaatnccaa cttgggtctt 480
cttactgggg gggattcttc gagctgggc 509

<210> 280
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A,T,C or G

<400> 280
gtggcangta aataaggata agagatgata gtcaggcacg taggttggaa ccaagctgca 60
cacaccgcac agtggagaga gacctgatcc tgcttagggc agagtggggg aaaggagcca 120
gggcctcctc ctgctctgat cccaccagc tcatgacctt ggaccagccc ntgacctcgc 180
aacctcgcag aactgaaaaa ctctatgntn tgnacgnacg atnangagn anctttgnaa 240
attggtactt aaacttggaa gtgcaacaga agactggaga cttcacatag accattgggc 300
ccttcgcccc gagtttctga tttagcaggt ctgaggtagg acctgagaat ttgcattttt 360
tgttaangnn tccaaaanga nctngannnn ttttctttt gggaanaaca cttttaaaaa 420
actactgttt caaaaacaaa aantttggtg gttttaaaag gatgnggaac aaganaactt 480
tttccaaaag 490

<210> 281
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 281
gttcagccan ncantggccc tngangaca ngnaagnen ccngnctcgn nctgggccct 60
aatgaaagga ctcaagnan gccaccctg ttagcgcgct gagaacatgg cttggtgtgc 120
tcctctaact tggganagaa tagggctgtc tgntgtctnt accgcanagg gctnacatnc 180
nctttacggg atccgnntcn gaggannng gccatttctc ttcccttatc tgtttatgat 240
gcgatatgtt ccaaagccga tcacatcagc cgctgttatg gtgaacggaa ttcactgtga 300
tggcggtgtc accagcagag ccgcgtgggc ttcatgccac gttacgcgga gtctangacg 360
gcctcaccct gctggctcgg gctccctctc actggggtac acatttatcg ggatttatgc 420
tttaaaacaa gtagttcaca ttttttttaa tgggggaaag tacaanaact ttccattttg 480
gcgngngnac ctancaatgg gcttaacttt tgttttttgt 520

<210> 282
<211> 386
<212> DNA
<213> Homo sapiens

```



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<400> 282
gagcaggaag ctgctgtggt atccccgctg caaaagctgg aagagagggg cggaacgaaa 60
gaaccaatca tgagccagag acaaagaaca gagtaaccaa tccttgggtt gaaaatgaag 120
tgggatggaa cctgggccaa atagacactt gaaaaaaca atggaaaaaa aaggttgatg 180
taagtcccac ccttttagat tcctatagga caggattgtg gagaatttgc tgtcatatcg 240
ggacaacctc ttcaaggggc ggggcttagg gaaggggtgg ggtcttaaag tgggcgggac 300
ctagacgaag aaggcgagtg ccaaatcatc actggtccac tgatccgaga tgtccaatat 360
cccacttaag atgtaaagtg tgggggt 386

```

```

<210> 283
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

```

```

<400> 283
caataactat ccaccttcga caccttgtgg accatgaaaa cctcaaggat agagcaaggg 60
ttattcatcg ctgtatcgct ggtatccagc tccatgcctg gccagatga gcagctgaga 120
ctcaagatat tgtttaactt gcgcatgttt gcataggtag taacagtga gatgggtctg 180
gagcccagcg atctaattac tactcagaaa cacctgtgta tgcacgtgc tctcaattct 240
ccacctcctc gttccaccac tgctgctgct gctgctgctg ccgccctatc attacaaacc 300
agctcagctt cctcatgggc ttgtatttaa gcgcctgcct gtcacaccaa cttactacag 360
ctaaatgatg atgcaaattc tccaggnttg catcaaccnc atgaaaaanc cnccaccttt 420
acttaanttt ttttttttaa aaaaagaaaa aaacaggang gagcttggtg ctcaactgac 480
ctaagcttt 489

```

```

<210> 284
<211> 181
<212> DNA
<213> Homo sapiens

```

```

<400> 284
aatctttgag tccacgtgga ggaaggaagg agaagaggag aagactgttt tccaggatgg 60
aaagggagcc tcgctttctc tttaggtgga ttacagaaat tggttgaatt ctccctgccc 120
tggagaaaag tcaattttatt ttttatgtta aagatttagg ctcttcctga gggctactat 180
g 181

```

```

<210> 285
<211> 319
<212> DNA
<213> Homo sapiens

```

```

<400> 285
agaaaccaat cggacacatg gccgtggcag ttaattctat aggctcccca cctggataac 60
acccaagctc aatgcagccc caccctaaagc caataccttt tctccaacct gcccttctc 120
ccaggaaagg gcagcctgtc ttcttttggt ccccatcatc caccctaatta ccagagtag 180
aaaattcagt attatcccc tatctaagca gtgcgccagt ctggctgcat ctactttctc 240
aatctgtttc ttttttgtcc tctgttagta tcttaaaaac ataaagggaa aaagatataa 300
atgccaagca aaggacttg 319

```

```

<210> 286
<211> 230
<212> DNA
<213> Homo sapiens

```

```

<400> 286
cagaaaatgg ctctcaatt ttctatctca tgtggaggca acatttctgc atcagattca 60
gcctgtgggc aaaggaatga ggcttcttct acgatccttc aggttgccc ttctgaagt 120
agcaaagcat gtgtcattat aaaacatgat tgtaactcct ctttcagtgc cactgatttt 180

```

gtcgtgtggg aaatttttgg caggtttttg caataaagtg tctatcaagc 230

<210> 287

<211> 329

<212> DNA

<213> Homo sapiens

<400> 287

agggccacca	cagatccggg	catcctgac	aacattcagt	ggcaagcctg	gaggggcaat	60
gcttgccctcc	cattgtatgg	caggccagat	atgttcctgg	cccatcagaa	gcctccttct	120
ggatgcagtc	tataagccac	tgtgatggat	gagaagagcc	caggatggag	gtgaaagtct	180
ggaactggaa	tctgagccct	tatttttctg	actcactgtt	ttaccttgga	agaatcactg	240
aagttttctg	catctctgtt	tcctcatatg	tttaaaaaag	aaagcactta	accttggtgg	300
atgtgaaaaa	taaatgaaat	aatttctag				329

<210> 288

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(452)

<223> n = A,T,C or G

<400> 288

gaaatgcac	ttatagcaga	gagctggcta	cctgccaaac	caaacaatcc	ctgagactgc	60
ggcagggctg	ggaagcaagc	tgagctgcca	cgctgctaac	ttgtcaaaca	tacataccgg	120
ctttgcttaa	caacaatgcg	acacgtgcct	gctagaagcc	taaggaaacca	acatcagaag	180
acagatgagc	tataaatact	tagaaagagt	acaatccctc	gatcaaccaa	ccaccccaaa	240
ctttcttcat	cctgttcttg	aagaagtgtc	tctttactgg	gagcgtgaca	cattcagacc	300
taaggagcca	ctgagaaaatg	cagcaataaa	agcatagaga	gcacatttga	ataaaaaggac	360
cagagaacca	ggaaggaaca	tcaagacatg	agatctacag	aatcaaagag	aaagccctca	420
cattatatca	tgagattnca	atggcagaag	gc			452

<210> 289

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(476)

<223> n = A,T,C or G

<400> 289

gtgaatccca	ttctcatttt	tgcagtatcc	aagagctgga	tgcctacatg	atgcagtcca	60
cagtggtgta	gcaccttctg	tccctgggat	ctcagactct	gcctgccaca	gagcagatga	120
ctggaaaacc	ctccccactt	gctgtcatca	ttcctgaaag	gtcttcaggt	gtgccagcaa	180
ttttcagact	gaatatctac	accagaaaag	cacataacta	ccatgagcat	aagacgtggg	240
agtgccatgg	agtgaccata	gaagtataga	cagtaagatc	acagccagat	acaacttctt	300
gttttataga	tgagagacct	gaggcccaga	aagaggaagg	cacttgccca	tggtcacaca	360
gtgagttagt	gagactggag	cccaactctt	caggggtctg	ggctggggct	tanccaaggc	420
tggttaggca	atnggctttc	ctgggggttct	gggcaaatca	ttttttgcct	actctg	476

<210> 290

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(458)

<223> n = A,T,C or G

<400> 290

```
gtcctgctga ggatccctgg tgcccagtag ggaacaccgt gaggaggagg attaagaaag 60
gcaccctttc cactgatttg catcgccatt tgtacatgga gtttggctac agcaaaatcc 120
gttgctatct caccagctac aagaagcaaa gaacgaattg caattcattt ttgtgctcta 180
ggacccggtt gaggtctcct tgctgacaaa aaaggaaatg acttctgaag acatgaaaaa 240
aaaaaacagg gngaanaaaa attgggttan aataacccat gacctaaatc attanacttt 300
gactaatgaa naactgcctt ttaacagagt taaaattgac agcaccatgg cctcacaccc 360
aacagggggt tgaggctgga cccttntttg acaaacgatg cccttgatta ccncaaaat 420
acccatcaca gcattattta taatattcct ggccaaaag 458
```

<210> 291

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (471)

<223> n = A,T,C or G

<400> 291

```
gaatgcagct gtcaacagct attctaagta ttgttgactt gggtagaggag atttgtgtcc 60
atgtttgaaa atatgacatg acacgaagca aagagaattt caaaactcct gaccaaagct 120
ggtagacagag aaaactgact gctcaaagaa ctccatcaga tctttccagc aatctgtgca 180
tggagcgtgc acttgaaaag caagtgtggt ttgagtgagc aggaggacag attcagccac 240
agagggcaag gagatcctcc tggtgccaca ttggaagggt gaaccattag ctgccttcct 300
ggcagatgcc tactgggggt ctggagcttg gaggtgacac atggagcatg tcctcctcca 360
ctttcttcct ntgtcagctt ccaagaaaac cagantctgga aatcaaaagg ataccccaga 420
ggggcagtag ggccctccca natggctgan cagatgctgg caccatgcct t 471
```

<210> 292

<211> 349

<212> DNA

<213> Homo sapiens

<400> 292

```
aagcttcaag gactgaatcc tgacaggaaa caggcacctc caggattctc tccccagcag 60
aagattactt caagaccgga gttccctctg gactgactgc aagattgaat gtgattgatt 120
tgtaacctgt caggtccaca atggtgccat ggaacaataa ttcaagataa gccatcagag 180
caagtcacac catttggcac ctctagccc ccttcctctc ttgcattcca agccccctct 240
cttaaaccct tgccgtctct ccagaaattg gaaattggca atttttggaa aggattccag 300
ccactttccc cctcgctggc aacggataat aaaaatcact ttttttttt 349
```

<210> 293

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (226)

<223> n = A,T,C or G

<400> 293

```
aaaaagaaca aatcacctgc tgccctcgga ggacaggatt tctgccnntn ccacctgtnn 60
gcagccgntc atggcttcca gacaaagtgg gggcccgggg cctgcagaac agtcggccac 120
attcaccagc ctgtctctcc tctggacctc ttggcacang cttttactct ccagactgtg 180
tgtgtttggt tgaattgaaa taaacacagc aggatattgt tttatt 226
```

<210> 294

<211> 217

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(217)
<223> n = A,T,C or G

<400> 294
gtaaatccaa gagtcaccaa atctttcagc ttttcagcta aagaaagaaa caagtgaagc 60
aatgggcaga aagtgnrtggg tttcattacc nagagccgtc ttcttccagc cnaaatgtaa 120
tttacatctg agtgtttggg ttcattctgtc acacgagtat tatacaaccc caccacttac 180
cctgaaaata aatatgagct cctcattcag gttaaag 217

<210> 295
<211> 407
<212> DNA
<213> Homo sapiens

<400> 295
ttggtgaccc tgaggcacag aaagctgagg gaatttggtc gaagtcacac agctgggtaa 60
gaaagtgtgt ggttggttgt tgccactggc ctacggcctt tgtccagaga agacgggaat 120
gggggtccag ttacccaacc ccttcagaac agatgggtttc tcatgcccac ggaccttggg 180
tacggagtgt gaacaggatt ctctaaata tttcaacttc ggaagaccgg attgaaagtc 240
atctcaatta agcaaggact gagagtgtgc aaatattatt tgaacgttgg ttaacttttc 300
cttaaatgga aatgaatgag cagtaaagtc actttgatga atcttatata gagcctctgt 360
cccagagtcc tgaaacttca cctgatgggc ataaaaagaat caaaagt 407

<210> 296
<211> 498
<212> DNA
<213> Homo sapiens

<400> 296
tgggagaggg ctggaagtcc attccaacca cagaatacag tcccttcatg gaaggaaagt 60
aatttaacag caacagtcca ggaatcagac aagctacggg cccagaggca agcgttggag 120
gggccttctg ctccacggag acactgactc cacgcagggt actgaccagg gcaggggacc 180
agagatgaat caactccagc ccgggagctc accgtccagc aggggagata aggcagatgg 240
aaaagtaact ataaaaataag gcagacgggtg ataagagtta cacaggagat acagatagca 300
ggcagtggga gttcagagca gagaggagtc tgggggatgg atgttagggg agattcagat 360
gaaggggagc acttactggc tttcctcccc aagaggtgcc ctaggatcca tccagaaaga 420
tcttgccgag cccacagagt cccaacggga acttgtgctt cttggatgga ccccttacc 480
atactttacc cactttaa 498

<210> 297
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 297
actaagagtgt ttcaaagaag aggaatcaca ctttggccag cagtatacct gcagccctgc 60
ggctaaagtgt tgctgaatga gaatataagt gggctctcat tttgaatata aggaaaatct 120
gtaccagaaa tgccaaacaa ctgaattcaa aatgaatttc ttggaactca acactcaaaa 180
tcagagatgg ttccagagaga aggtatctac tgctaatttc taactaaatg aaagggcttc 240
tgcttctgag agcaatgata cccggaacag gaacgaaatg ctgctagaga acagtgtctg 300
aagtgtgtcg acnaaactgg cttcttgggc tagtctatgc cactttccnt ggataatgga 360
gagncatgc tanggggaga aaagccaatc ananggcttc agctgggnn gnnttaaang 420
gaatacatca atgggaccgg g 441

<210> 298
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

```
<400> 298
gactctgggg actccttctt aaatcaaact gaaggacccc agcctttttt tcgccccgaa 60
agaattaang tcgggaatgc cttcccnana attngangga ngtnccgntn ccgggggggnc 120
atthttcttt gtgggggtca attggggcgg gtggttggca ataacaaccc aaaatcttgc 180
ggaatcttgt ggctttttcn tcaaaatggg ccagaaggac gaacaagcac ttgtttcccc 240
aaggcatttt taaaaaaaaa gttccggagn aaccaaact ggtcncagga gggatgaatg 300
naaatccact gtatcttaaa ggggtggggg naagcctgat gcccctnctg tattagagcc 360
cnccatgatt cttacagntn ggggggaaca acataatgcc catacatgaa nctggcttgg 420
gggctttcat ttttncccaa gaaaccaagg aaggggactt taagtcattn cccaaccaat 480
cgctttgggt tcangtttca tttcaanctt ntnttttggg acccannnaa ttnttgataa 540
aannaanccc aagcttcttt nttttggggg gatnaaataa tttaattggc ctt 593
```

<210> 299
 <211> 537
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

```
<400> 299
tgggggctcc tgcttttagtc cgaactnggn tntngttttt tttnaannaa actngggcct 60
ngcttttatg gtttattggg ccaaaaanan cttactgggg aaccttttcc cnaccnccag 120
gcttccccga gancttccac nattgaaaaa gggtctaggg ggcgcttaat taatggatgg 180
tgggatcctt taaggagaa aatcaaaggt ccccccttag agggacattt gacttcttcg 240
tggcagcagg gggggaattg gattgggagg taaagaaaga agctgtgagc ccagaaatga 300
attnctggaa ccagcccaa gaangnggaa aggtgangga accagattct tagaagatga 360
cttangggga ataagccagg agcttaatcc acttctggng agactctttt ttaagaaaaa 420
aggngctcca aaatttnccn atcccaaatt taagtnttga aaagccagg nttttgggtt 480
ntaatgnngg gaggnaaata atttaaaaca tttccccctt ttngaagggt taaccgc 537
```

<210> 300
 <211> 270
 <212> DNA
 <213> Homo sapiens

```
<400> 300
gagagaaaaa aaaagctcag agaagttaag cgacttgctc gagaagctac aaagtggggc 60
agcctggact tgaacacaga cagtctgact ccaaagccct ccaaagatgt aggttaattt 120
taacctacat ctcccagaaa atgagcaaca aaggatgtcc agccctccag caaactagtt 180
taagaaagaa actgtctttc tttcttctg tacttgaggt ggggtggggg cagggaataa 240
acaataatca tgcattgcga tgatttaaac 270
```

<210> 301
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(157)

<223> n = A,T,C or G

<400> 301

```
gacgtctggg gagctcctgc attaagtcag aaactgagac atggagcctt gctatgttgc 60
ccagggctgg gtctttgaac tcctgggagt caaagtgat ccttcctttt ttggccctcc 120
ccaaaagcac tggggattac aagatgtgaa gcccact 157
```

<210> 302

<211> 200

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(200)

<223> n = A,T,C or G

<400> 302

```
caagaaactg agaaatgcct acccgagga aatggggntg ggcttttttt agccttgctg 60
gantgtgaac aactggtgga atggtgccct ggcaaccaac cangggaaaa gggcaaatgg 120
tttattatgt aaagggtgga attttctttg gtggaaccaa aaaataaaaa ataccaaaaa 180
ttttaaccct tttctttttt 200
```

<210> 303

<211> 284

<212> DNA

<213> Homo sapiens

<400> 303

```
gatgatgaaa ctcccatggg gccagccaca gcagtaacca gactcagaaa tggacattct 60
tcacactgag ctgcatcaac ccagggagaa gaagaggaga ggcaacacgc catattttct 120
aatgagttaa agcctaattt aatctggaaa taactaatgt tgactagtgt gtttcccta 180
aaataattgc ctctgatggt caattttata gctaaacctt aaaaagatga ttaggaaac 240
actgagaagt tcatccctct tcccacaata aaaatatact ttgc 284
```

<210> 304

<211> 353

<212> DNA

<213> Homo sapiens

<400> 304

```
aggactgaga ggagaaaatg agacactgag tgggactcag ggattgctcc aggccacaca 60
gtcagcagga ggcaaagccc agattcaaat gcagattact cagctccaca atccacatcc 120
tcacaggagg ctgcactcct tgcccaagcg tcagacagga gcaaagagaa agaaggcaac 180
cagctggcta ctttcttccc ttcttgatg cctccaacag ggtgagaagg actaaacaaa 240
tgaccaagtg tcatcccat ttggacatac ttaaaacacc ccatggaatt tttattctga 300
ctttcttctg cctgtgtggc atttatgttt aaataaaaga gaattcaact cgt 353
```

<210> 305

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(423)

<223> n = A,T,C or G

<400> 305

```
atcctgcgng gtgtggctga acttcccacc cangganttg accagacttt gtcaacagcc 60
attcangaac tggcacaatg gactcacaga taagattcca ggggaagagg acatgttgtc 120
acnaaacatt aggacttgaa atcctggctt gtggaggata gcatgacctc ttctcagatc 180
tgcaaaaatg ctgatgggca gattcaaaag agtcaacaat aacttcgctc tgacttggtg 240
```

```

aaaactgctt ttggaagaga ttctgttttg gaaatttgtg ggcttgagtt accagtcatt 300
tggttcctgcc acaataactg tcatcattgc ttcgaagcaa tgtttggctt ggagcagtc 360
cgaatgagct gcctatcaca tgttgacat aaaataagaa gaataaataa ctggcacaaa 420
ctg 423

```

```

<210> 306
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

```

```

<400> 306
ataaagaacc ctcttaggat ggtgaacaga aacactgaag ctgggatagc cccctgtcag 60
gggccatttg tcatttccac aggccaagaa cctggacgct gtccccacat tggggaaccc 120
tccaatgcat aagccaaatg ggaactggaa acacttcctt gttcccccaa cccaggggt 180
ctctctgcct gtcacacacg cctgccccag cagtgggaatt cagagtccgc gaacgaagca 240
gcaggaactg ggcggcagtc gctgtttcaa gattcaaaaag caccagccca aacacaaaac 300
cagtgtgtac tccgtggaca gaaagtctct agcagcgccg gtctagatga attattaaat 360
tgnnnannat tctnncaagg ngtnccccc attggaaccc agttttatta ntccccgaaa 420
tatattaaat t 431

```

```

<210> 307
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<400> 307
gaagaagcac cgtgggggac tctcactgca aagaagaaca ggaccattat caacactcct 60
cccctctgtt ccccaaagtc ccctcctgac cgcagcatca atcttccacg ctggcccggc 120
cggaggtggt gccactggca gatttaaagt agagcatgaa ggtgggacct ccattactgg 180
attagtgtcc ttataagaag aggaagagac cagagctcac tctccccacc acgtgaggat 240
acagtgagaa ggtggctgtc tgcaagccaa gagccctcac ccaaacagaa tctgctggta 300
tcttgatgtt ggattttcta gcctccagga ctg 333

```

```

<210> 308
<211> 349
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

```

```

<400> 308
ctgggtttcc ctatccccgt gggcacgctg gtgtgccgtg tggtcttgcc aatggaatgc 60
aagtagaagc atgtgccatt tctgagaagc cagataaaac atgttaggcg ggctccttca 120
tgctctcttc tctcttctt tctggaatgg cgatggccaa aagaaccttg gaaggcataa 180
actgaagaca gcttttacca cgaattcttt caagaagatg tgaaaaagat ccaccctca 240
acctgacact cccaacctgg actgttaccg tgaaangaga aataatcatg tatttngnct 300
gcttgagcct ttaaccttt tngntaaaag gttaaattgct tgagacttt 349

```

```

<210> 309
<211> 157
<212> DNA
<213> Homo sapiens

```

```

<400> 309
gtgaagaaac taagaatcag aggagttcta actgagccat gaggactcga ttctgaaaa 60

```

```
ccttattttat aaaaaacagg aatgggaact aaaacaaggc aacctgtgca agcccttaca 120
agtttttcat gtattacagt aaaaggtaaa gcaactc 157
```

```
<210> 310
<211> 217
<212> DNA
<213> Homo sapiens
```

```
<400> 310
gaatgtgctt gccctccact tcctctctcc tcttcctatg gggctggaaa tatgtgggat 60
ttggagttag ccagggtcca caatgctgat gagtacaata ttccaggaga cagcagaaca 120
gcatgaagaa agaaacctgg atctgcaagt gcccgagcagt gagcagaccc caccaacact 180
gggccactgc ttctggacca tcctaataaa gtaatgc 217
```

```
<210> 311
<211> 650
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G
```

```
<400> 311
tggggccgtat ntaaaaagnc catgtcnaca gcnnnnnnngc nancctnat ganaaaantg 60
gaaaaantnag ggcctgntng gagcnaccn aaatntttct attcttccgc anctgccnat 120
nactgnnggt agangnncgg gagcancatc ctatgaagaa aggaactagc tctactcggt 180
nnnggacnac natnttttnat cctttaaccc tcaaggggna gtcattctcc tgactgctaa 240
ccttactttt gtaagctcct tgaacacaga tcaactaagaa ttctagagga gctattccca 300
gaagacatac aaagactgcn gatccaaatg actcaagagg tgaaatgtaa tgtatgctgt 360
gggtgacttc tcagatgcct tcaccttagg tctgaaatac tcattcccca acaatgcctc 420
catgctaaaa agtggttggt actaatgggt ctcaactgag cccctctcta agcattaccc 480
tggagaagcc canccaaagg gtaccttacc caaagancac acccgatcc ctggagtcag 540
ctcacattca ntggactgnt caaagccena gcantaaanc ttgggggcag aaattaatgc 600
aagggaaga ccncttttga aaaggcceng attncctggg gaactggact 650
```

```
<210> 312
<211> 541
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G
```

```
<400> 312
ctnaactgat ggacttggct agnccgctgc canccacatg gagtgggagg atcacggagc 60
ctgaagctga gaggccacag cactgcacct gacatatatt accaacttgc catgcaactt 120
catctcattg actccgcatt cccatttttt ggagtggatc acctgcagtt cccttgacaa 180
ctgagtgtct gtatttttct gtatcgctcca gtgtgatgac aactgtctac acaaccaagt 240
ctggccagca ctgaacacac tcagcttccc cacagtgtc caagtctcaa agcccaaact 300
gcagccaaat ctttggcagg ggttgnccctc tggtcaggcc anaacacctt tnttgaanga 360
cctttctgaa catttttaaa ccattcgatg aatgacccta aattcttggc gcataatttg 420
ggactgntgc catcacgcca gaaacattta ttaaacactt actgngtcag ngctcaagac 480
ctgccatctt gnttnatntt gacaacagtg atgcacaata nggggtgnca tttcccgttt 540
c 541
```

```
<210> 313
<211> 295
<212> DNA
<213> Homo sapiens
```



```

<400> 313
gcccttcctg cttgctcact ctgatgatgc aagctgcaac cctgtaagct gttctataga 60
aagaccaca tggcaagtac acaaggatgg ctttggccaa cagcctgtga ggaactgaat 120
cctgccaata tccacgagta agcttagaaa cggaagttct aagctcccta ctctggcctg 180
gagatgatac tgaccaacac cttgaatgca gccttgtgag ggaccccgaa ccagagaccc 240
agctaagcct tgctcatatt cctgacccat gagaacaatg agatgataaa tgttg 295

```

```

<210> 314
<211> 161
<212> DNA
<213> Homo sapiens

```

```

<400> 314
gttaagatct aagaacgttc taaatctctg ataggatttc tttcaagtta agaatgaaga 60
gtcaaaaagg aaaaaaaaaa agcacttttg ccaaagacaa acctgaacca gcaacagagg 120
aataacagta aaacatgcaa ttaaataata atcaaatagc c 161

```

```

<210> 315
<211> 277
<212> DNA
<213> Homo sapiens

```

```

<400> 315
gacgcaagct gacctgggtgc aacgaagctc ccatccaacc aaaatggggc agattgtggt 60
taatggacct taccaagatt tcctacagac accacaccat cgggattatt gattggaagt 120
gtacgccact acacttgact gaacttgaag ttgtagactt tctcaaagtc ttcaagaggc 180
atgtgatagc atcattgttt ataaacaggg aaaaactgga ggaaacctaa atgtctaaca 240
actggaaaat ggttaaataa attgtggtac agccatt 277

```

```

<210> 316
<211> 135
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

```

```

<400> 316
gtacccagtg cacgtcctga tctccagctc tccagcggct tanaacagac acagaatggg 60
ccgggaccag ggaccacca gagacgtctg tagttaatag ctggcgctct tccactaata 120
aagttttatt gaaat 135

```

```

<210> 317
<211> 562
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

```

```

<400> 317
taccacgaca acagcctaac cccaactaag gtaaactctg ccaccaaaca tgcctgggaa 60
tggagaaggg tctgcagatg agaaccctt ctggttctat gattcaaata ttcattcact 120
caaagcagga accaaatcca gtgctcctcc attgttgga taaatgctct ttgcctgaat 180
gctattttgtg gtcttcgtag aatggagagt aactgaaggc cccaccggaa atcaatttta 240
tgtaagcttt tcattctctg gcctcaagta tttctaaaat gtacctttct atgcaggcta 300
cttattcagg caactatfff canggggaaga tactcaaata aaaatagaga atcccttttg 360
gccttttgct aatatttcat ttgtcaaaac tttgatagtc tgacaaagtc tttaccatga 420
gattggtaaa ctcacggaag ccaaactgtc tgggatgcga cttcaactnc ctacttacga 480

```

actncataat aatggcctaa cctgcctata cctcaanttn ccattctataa agacaataaa 540
agccctatatt cctcaaaaaa ag 562

<210> 318
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 318
aaataacacg gaaagacagg cctgttctcc cggaactgac agtcggaggg gaaaaagaag 60
gaaggatgct gttcgaatac aaaggaaggg gatcttacct aggctggatg ggagaataga 120
acatatgggtg tttccattct ctctccagtc tttcaacccc atcatgtttc ctgccctgga 180
gagttgcttt gactatcaga gaaggcatac tataatggct tagttggagc aaataaagag 240
gcaggaataa gcctgtttgc tgaaaggagg tggaaaagcc gtgtgcagag ccattatcag 300
aagtaccacac tggaccaagg ctttccgtgg nttccagcan aaaagtaacc ttgattattt 360
gt 362

<210> 319
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 319
aaagatccag attacctgaa gctgtggttg gacacttttg tttctagcta tgaacaattt 60
ttagacgttg actttgaaaa gctgcctacc agggtagatg atatgcctcc aggaatatct 120
ctgcttcctg ataataattct gcaggttctg aggatccagc ttctacggtg tgttcagaaa 180
atggcagatg ggtagagga acaacagcaa gccttgctca ttttgcttgc caagttcttc 240
attattcttt gcagaaatct atcaaagtgt gaagaaattg ggacttgctc gtacattaat 300
tatgncatca ccatgacaac gctctatatt cagcaattaa aaagcaaaaa aaaagaaaag 360
gccagcgagg ccaattcagc tnggacttaa ccaggctgaa cttgctcaaa 410

<210> 320
<211> 27
<212> DNA
<213> Homo sapiens

<400> 320
tggttttttaa gcaaaaaaga aaaaagg 27

<210> 321
<211> 207
<212> DNA
<213> Homo sapiens

<400> 321
agacctgtat tgccttaaca ctcccagcaa tgaccacctg caagcttgcg ctgcgactcc 60
cgtccgaaga catgcgggcc agtatgagcg gagagggtcc cagcaccgtc acaagaccct 120
gtgctattat tttagactca cctgtggctg ttgacaacac cacacacatg aaatgatgct 180
caccagaatc aaaatactca gctaaac 207

<210> 322
<211> 400
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 322

```
taannngatg tacatggact gatcagactt nctgaccttg ngacanatcc tgccagtaac 60
atgagaggaa atgagaacga ggctttggag cacagcattg gattgctcat gcagaacacc 120
acccagtgcc ctttccctct gtcacaatga acagccatgc tgcaggtgac ggctgctctg 180
tcaacatgga tccggcaggg cagatgagtg gatcccccag cggactcatg agagagcaaa 240
caaaaagtcc atatgtgttg tgctaattcca ctgagattgt gttggttgtt acggagccta 300
acctagccta tcccgacacg aggatcagac atgataatca aatgtgttta taaagtgttg 360
gatggaaata ttctgacaac attaaaagac tctacccaag 400
```

<210> 323

<211> 197

<212> DNA

<213> Homo sapiens

<400> 323

```
gagggcatgag gaggtgagag atggaaagaa tgctgtctgt catttgaggat cagaaggaaa 60
agaagggttga gggctctgcc gctctgctct agtgggtttt tctgttttca cctttttacaa 120
aatcgagata atcgttttcta cttggttagcg atattgtgag gtgtaaaatg gattaatata 180
tgcaaaatgc ttaaagc 197
```

<210> 324

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(360)

<223> n = A,T,C or G

<400> 324

```
gtgaatggac cctgagaggg cccagccatg tgatggaatg agccatgac cctgagtcct 60
cacctcaggg agagatgtgc agaagagcca cccaagtggg gatgtgctgg taaacattta 120
gtgacccatt tgaggtgtgg ggggaggctc taactggtaa catttgtaa tttctgtaat 180
gcatactcct actaaggctg cttttaggca accaacgtga tgtcactgaa cacagtttgg 240
aatggatgca cataatcagt tctcatgac caggatgaac cagccctagc ataccactgc 300
ccctaaccga catatnactg ngcatcnttn aaaaataaac atattggggg taagcctttg 360
```

<210> 325

<211> 428

<212> DNA

<213> Homo sapiens

<400> 325

```
aataaacctg aagttctgtg cgcaccgaag acataaatga cataaatgtt gatggaagga 60
gaaggatttg aggaaggacg agagtctgag gaacaagaaa ggactgcagt agtgaaacag 120
cggaagaaac gagatcattt ttctcttata aaaattctgt aaacacagcc attctttctg 180
tattgtaat ttgaggaccg actggagtta ttctgagag ggctatgttc ctgagagaac 240
aaaattattg tttttgaaac tctagagaga actgctctgg caaaagaaat gtatcttttc 300
atctacagcc attctgaggt gaaagatctc atgatcactc tggactatac aaccacaaag 360
cagacttcaa ggatacctac aggaacccca gtagtcctga ttgatcacac aggccctaaa 428
gaccctat 428
```

<210> 326

<211> 431

<212> DNA

<213> Homo sapiens

<400> 326

```
cagtctacta tgggttcata acaaatgagt ccccacattt acatcaaact acctcggcct 60
agtccttgtc ttcaggaaga agtacattta cactctacaa atcaacaaga aaaactctca 120
gaataggaag cctatgaaaa agctatcttt atttctcgtt gtgtaagagc ccatttctaa 180
tcctgacgta ctcccgtttt accaagtgcg gtggcatgtg ctgtagtccc agctactgag 240
aaggctgaat caggaggatt gtttgaagcc agaagttcaa gttcaacctg ggcaatatag 300
tgagacacca tctcaaaaca agcaaacaaa aaagaatcat cacttgagtc ctttctcaac 360
ctcagaaaagg gtcattatct cttcacctta caatgagaaa cctcaactac tgggtcaagct 420
taacagctaa c 431
```

<210> 327

<211> 90

<212> DNA

<213> Homo sapiens

<400> 327

```
ggttgcagaa cgtataaaaa cacatgaaaa atgatcacia cagtacttgg cacataggaa 60
gtactccgta aatgttggct gatccaccac 90
```

<210> 328

<211> 212

<212> DNA

<213> Homo sapiens

<400> 328

```
agaactgagg actcagacct gggagaacac gccactgccc agacacgttc agcgacagat 60
aaaacagtat aacattttgc aaaggcaaat tcctcctctt ctgctgtaga aaaacttggg 120
ttcttcttca tacacactga gtccttctgc tcataatgct ggtcctaaac accttaatcc 180
aaaagcagcc aataaaaagt ttttaaaagt cc 212
```

<210> 329

<211> 256

<212> DNA

<213> Homo sapiens

<400> 329

```
gtgtcagaaa atgccacaga gcacagaaga caagaagagc tccctgctgc atatattgca 60
tcttccgttg ggcacagttt cactgatgtt atctgtaaac agaaaggggtg agacgtgatg 120
actcagccaa ccttccaaat cctgagggtc atctatgctg ccggaggcag aaagtgtcac 180
tcccgtttca ctccccgcag ctgtgttggt tgggaatttct gaagatttta tttttgatga 240
gcaactttgg gagacg 256
```

<210> 330

<211> 386

<212> DNA

<213> Homo sapiens

<400> 330

```
tgatggtcgc cccattgcgt atagaggaaa tggaggaaaa cttggaagta ccgccttcca 60
tacaaagtca aggatcgaga ctttcctctc cgtgttccag aatccctcag gaaatacgcg 120
catgccttcg catctagagc aagcgctgca agaattcaca gaacggccag aagttcccca 180
tcccgttggg ggcactcact gcgttagggc ctcagcctcc agtccgggcc gctttggcct 240
gaagacggcc gttttccttc ctgatacctg cttctagtct ttctgcaact tctggattcc 300
tgtcattctt atacctgctc tgggcagcct tccattcatt ctgcgaattc cctgaagctt 360
ttcaataaat tgcttttctc caattt 386
```

<210> 331

<211> 200

<212> DNA

<213> Homo sapiens

<400> 331
catgctggaca ccaccccaag ggagcaatca ggagaagcag gcgcgcaagg ccccggaagc 60
atatgccagc gtagaagacc ccaagtcaaa ggtcaaacag ggcacttgat cactcaagtc 120
ccccgctaga ccccttctcg cgtgtacttt actttcgttc ctgctctaaa atgttgtaat 180
aaactttcac tcctgctcgc 200

<210> 332
<211> 42
<212> DNA
<213> Homo sapiens

<400> 332
ttggctagag atttactaca tccgtccttg gaagaggaaa ag 42

<210> 333
<211> 448
<212> DNA
<213> Homo sapiens

<400> 333
gtagatgggc cagacgagtc taagaggcag ctccgggcat ctctgagcat tgacttgccg 60
acgttcccca gccctggagc tccatccagg ctgggaagag ggaggaccgt ggagattttc 120
atgagtgtcc cagcagttag aatggactct tgccgggagc acagacacag caaggctctc 180
ctgggtgctg ggggaaactg aagctgtcag tgtcagctcc gaaagctctt tggagaggct 240
tcccaagggtg ggatgcaccg tggaccaggc tccaagtatc gtcagaacta ctggaagatt 300
gttttcaaga taatctggaa caggaagaga agacacaaaa gccccagaat cagagcagct 360
ctttgcagga atttgattaa ggaaatgaga cagggtctga tgcaagtggc cactgtctga 420
acccaaccc ttcgggaggc tggaggtg 448

<210> 334
<211> 246
<212> DNA
<213> Homo sapiens

<400> 334
atccccgctg tttttctgcg tgatgctgat tgctggctct ggttcccagg aggcgcccac 60
gatcggatta actgccagct tcttgatgca cagccttggt atcagcgcct atatccttgt 120
tcagcaaaagt gcctctccac caacttaatg ttcttttcac caccctattt ctgcacgatg 180
tagtcacagt aagacacaga gtgtgcagtc ccgatcccag tgctacataa taaagatcca 240
gagctc 246

<210> 335
<211> 356
<212> DNA
<213> Homo sapiens

<400> 335
gcctgcccat ggctgctcat ggaacaatcg gctagcgttt cctcccctct gagatccata 60
aaagccggca gctcagccag agcagggcag agggcagagg acagagagat gatgggatga 120
cccgtgcag agaggagcta ccctcctgct gagagcttca gagacctgca gagacttcca 180
aatgatctgc ctgcagagat gagccacgct ttccagggtt ttctctctgc tgagagctga 240
gtacttgagg agagggcctg cctaggagcc gacctgacta cagagaggat ctgcccactg 300
tgggtctctt ctgttctaac actaaataaa gtcctctctt atcttcttca cccttc 356

<210> 336
<211> 225
<212> DNA
<213> Homo sapiens

<400> 336
cctgctagca gagatgaata acgcgctgaa gaagcaagtc cctggagaga caggaagaga 60
tgagagagac ccccaagttg tgtgatcacc tccagcacac tggagactga gccgtttcac 120
aagggtgtcaa acctacattg cagcctgaag gatgtcttca ctccctcctg ctccctcgcc 180

ttgtatcctt catagatttt tcccgcaata aaactttgca tatct 225

<210> 337
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 337
atcttttaaat taactaagga tgaggaaaag tttgtgttca gttcaagatc acaatatatg 60
gagaccaaag agctgggtgt aagtccaggt tctagccaaa ctgcatcagt ttcttgccct 120
tggaacaaaa tgaaagcaca gagacactca gagaaaagct gccatcagca atacatattt 180
caagcggaga gcaatggcta acctgcttct ttcggggggcc caaaggaatg ctgccattgg 240
aaggcacttg acgagatgat atgtgtccca gcatcagtat catcattccc aggtgaaaga 300
cgggagagag ctgctctgtg tcacaaccct gttcttaatg ctactcaata aatttctatc 360
tggcttgagg gcaaagaact tgacacaatt tacttagaat ccnaactgga aataataaaa 420
atctttcata g 431

<210> 338
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 338
gctggagtgc nanggcacaa tcttggtctca ctgcnaccaa gagaagaggg ggaaagaang 60
ganaaggggn ggaaggaaga tggaagagca ggagctncaa aaaaactntc cgctttgcca 120
cctggaatgt ccaccagga taaaaagatc caagctcttc tganactgnc ttttgacctt 180
ctanaatgcn nagacaggac ggngattgtg ccttgaaaga tcctcccaat aaagatctcc 240
cttt 244

<210> 339
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 339
gaccgcatt aagtccagag aaggcagcaa agctggtaaa gaaatactac aatccttctg 60
gagaccagaa tcctgacttc tggatgtgac aacaatctaa caggattctc tgatgcagac 120
tagcaggagg tatgaacacc cctcccaagt ctctctctgc caatatgaaa agctgctcca 180
caaactcttg ccctatacgt agagggcgan tgaagagaac actgatctca atttcaagaa 240
gaaactaaag aacatctnca gatttttctt ctatctgaag agtcaaaaact aattaaactg 300
caataacttt ctaccttgnc ttcaaacttc tttacgttca aaacttccat taaccattt 360
catataatct ccactacc 378

<210> 340
<211> 239
<212> DNA
<213> Homo sapiens

```

<400> 340
atggcgccca tcaatgttga ttcagaagtg aagccaaaac ataatttcct ggcactattc 60
tggaaggaaa ataagtgaga tagagtaaag atgactacat agccaattag aaaaagcaac 120
taccacctcc actccaaaaa agtcatgtaa ataacttcta gtctgtgact cgtcttcacc 180
attctgtgca ctggctttaa aggagcggtt tacactcaaa ttaaattattc tctttgctc 239

```

```

<210> 341
<211> 308
<212> DNA
<213> Homo sapiens

```

```

<400> 341
gcacatattc atgtatggtc actttaacgc agtgctaccg tctgagacgt gtcggacaaa 60
ggcctggggc gaggggctag aaaccatgta tcaccaaagc caacttcttt cccagatttc 120
agaattgctg gttcaactgc aaaagtagga aggcaatgag taatttctgc tctgctggac 180
tagattacca ttaactacca tcatgacttc agaagatgct gtcacgatga aattcatttc 240
tgctgcctaa ccccataata aggctggctg ttctctttaa gtaaaatgac taagctattg 300
atcttttc 308

```

```

<210> 342
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

```

```

<400> 342
agaatcagaa aatcaggcaa tgcagagaaa ggaagagcac tacctccaca gagcagaagg 60
aaatccaggg aaaggctggt aggaaccagg agctgaagac agagctgtgc gccttcctgg 120
ccatcctcct taaatctgag atgggaatcc agccattgca ccagtacatg gatctgcaat 180
ttttttcttc ttcaaaggac caaacggtga atactttagg catnggggac cataaagttg 240
ctgtcacaac tattcatctt tgtcactgta gcttaaaaac agccatacac aataggtgta 300
catgccaaat gggcatggca gactaaaaag actaaaatga caaagcctct atgaactagg 360
agaagaaagg cagtaaggga gattaaacng agctgaaaca aaaaggggtga tgcataaaag 420
aaagagttgg aaaaagatg 439

```

```

<210> 343
<211> 463
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

```

```

<400> 343
ctaannngat taggcataga ccnaaantga anactctgga tgtggtggct ggctncttgt 60
gaagaagaat tcaatcagat tccatttgat taatctgcat tgagatccta gtatgtgtcc 120
gacactatgc agaaatactt cactccctct tccatggcag accacgatga actagggttt 180
gctgttttca cggcttctgt cactgttgga gctgaggctg aggctgcagc aggagctcct 240
ctggccccga ggcaagagac atgttctctg catccccagg ggacccaaag caacttctgg 300
tttgggttaa agaggacttg ggtgacccca cctgcccagt catccaccct ctggcagcca 360
gggcggcagc aggggagggg gcagaaggct gccacagngc ttctctcccc tgccatttcc 420
tctgcagctc cctctctggc cctgtttttc agacctctaa taa 463

```

```

<210> 344
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<400> 344
gtcttatttt tttctactca tgagccaaga tgcagagagt atttctgcag tcagaggaga 60
gatggtcctt acaaattttg caattggaag gatgaggcaa aatgaggcca aagatgaaaa 120
aaccaaggcc tggataacta attcacagcc acacaagtat ttagtcgcaa aaaatggtaa 180
tagcatgcag ctctctctgt tcagtgcctt tttcaggatg tgaagaaaga tatctgtata 240
aatatgagaa gtccttccca aataagtaaa gtaactggca taactgagga gctctttggc 300
aaatctactc tgtataccaa ctcaagaaaa acagggaaaa aacccaatc tg 352

```

```

<210> 345
<211> 270
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

```

```

<400> 345
aggcaaaaaa caggacctag atctggaaat caaaagtgga agcagaaaat tgagcaatca 60
gcctaccang tcnagtgggg caacagacta cgctcacgga ttctgctcac aacancggga 120
ataacagacc annagaagaa ctgcagagca tccctctctc ccccgttcac ccgtgccacg 180
agcacgtgag tgcattccaca ggcagcacc agtctcctgt tccactgact ccagcgtcca 240
ctcactgnga gcctactaag tggccacatg 270

```

```

<210> 346
<211> 236
<212> DNA
<213> Homo sapiens

```

```

<400> 346
atgggaccat ctagtgcag gaaaagaagc tcaggggtcc tactgattct accttatgat 60
ccttcccttg ctactggcaa gatgtatgca tattccggat cccaggctctg ttgtccctc 120
atgccatgtg gaagtttccc aagactatag agaaatgttt agatgtgcag atgccacaca 180
ctaattctta gagtttctac ggccattatg actaaaggga tttttgtata ctgttt 236

```

```

<210> 347
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

```

```

<400> 347
gttttggttc cttgagacag aggatcttgc tgcctcaaa gaggagggca gtttgcccc 60
ttcctcctga ctccaagaca aaagagagaa gactgaagag tgggatccag ggctctcag 120
agttcacctg agctttccca agtctggttt gttctctcta cctgctgct actactgcaa 180
gtgactttca caagatgctt ctgagcatag cattgctctg ctgtgaccac tgcagatgtc 240
aagagaattt ctgccttttg gaacttggaac aatattggcc acctaccag agagaggaga 300
aggataatcc agacataaag ggagcttcca cccatccttt ggatctcntg ataaagagtc 360
atatacttaa agagccatcc tcacattcct gccagactg tgagctgcat gagagaggcc 420
atgtctcatt ttggtccatt tt 442

```

```

<210> 348
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<400> 348
gaaaggaaat aacccccgaa gcctttgcaa ctaaggacat gtatccttca gagaagtgtt 60

```


tactgggcaa	cttcttcgtg	ctgtaattga	gtgtggccga	ttgctcacia	agatgtttgc	120
aaaatccctc	ctgtccccta	actcacttct	ccttgccagt	tcactctgcc	aacttctcct	180
gtcgggttgg	gaagactgtt	tctcctcccc	cctcaatatg	ggctgggctt	gtaacttgct	240
tgaccaatag	aatgcagaga	aatgaaatgc	agccttcaac	attcaaggct	atgctcaagg	300
agtctaacc	tgtggatatg	ctgttgtcaa	atgagggagc	ttcgattagc	ctgttgaaga	360
cacacagacg	acccgacagg	caataccaac	attcaagata	tgcaagttat	gctgtcttaa	420
accatgctgc	caagtgaact	ttt				443

<210> 349

<211> 165

<212> DNA

<213> Homo sapiens

<400> 349

agaactgagg	tgtttctctc	caggatcttg	ctacttattg	atgacaccgt	atcaaggcgc	60
cagagtccaa	atggtcatca	taagaaaaac	tgcacctaac	ttccacagcc	tcctaggagg	120
cccagagaca	tcactgtact	tgccctgccat	cctatgtggt	gctgg		165

<210> 350

<211> 307

<212> DNA

<213> Homo sapiens

<400> 350

gtgggggtctt	tcaagccgag	atcgcgccat	tgcactccag	cctgggcaac	gagcgaaact	60
ccgtctcaaaa	aacaaagaag	ctgtcattcg	gccccagatt	tgtgcctcga	aaccaccacc	120
gtgaggtcgt	ttcccacagt	ctccgcggct	tgggggctga	caatcctgca	caggaaaact	180
aggcgacatt	cccaaatacat	ccccttgaca	gcctaattc	tactttttaga	aggttcttgg	240
taccatgaaa	acgcaaatagc	ccggtaaagg	cagatttacc	atgaagctaa	taaagctcta	300
acctcag						307

<210> 351

<211> 286

<212> DNA

<213> Homo sapiens

<400> 351

gaatccgagt	ttctgcacta	ctggaaccac	gcctcccaga	gaaatcaagg	agacaccaga	60
aaaacctcct	caaggacacg	ggaaaaatca	cggacaagct	ttcttcctct	ctcacctccc	120
cctaaaaaag	cccagtgttt	ttcttccctc	ccagctatgc	agctgcaccc	agcagagaag	180
tactagatta	gcatcatctg	catttcattc	cctttctttt	gcaatagcta	ctcgcctata	240
ataaacagac	cttgtgtctca	agggagaatt	tacttccccg	tccagt		286

<210> 352

<211> 417

<212> DNA

<213> Homo sapiens

<400> 352

aactctgcag	ttggtgtcag	aagtaatggt	gatcttgtgg	actgtttcgt	aactttgaac	60
agacaatgaa	gaaagacact	ggtaaaattc	aataatactc	tgcatctctg	tggactaact	120
gctaccaccc	aggctggtga	tccataccaa	gagactaatt	caactggtcc	tgtgacccct	180
actcaggaag	tgactcagca	taactcactg	cacaaagaca	gttttgacac	ctctatgatt	240
tcattccctga	cccaagcaat	cagcagcacc	cattccctag	cccctgcccc	ccaaactatc	300
ctttaaaaaac	cctcatctcc	aaattctcaa	ggagttggaa	tttgagaaat	atttctcaaa	360
tatctcccat	cctccttgct	cagccactct	gcaattatta	aactctttct	ctgctac	417

<210> 353

<211> 162

<212> DNA

<213> Homo sapiens

<400> 353

```

gacattgtta ccatttacct ccactggata tctatTTTTct ttcaaaaaga agctgagaaa 60
tcttaatgga aatatcaaat ttctacatga tgcttccttg tctcttgagc tctaaaaaag 120
acaagaagaa aataaaaaaga agtatctatt gttatTTTcat cg 162

```

<210> 354

<211> 235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(235)

<223> n = A,T,C or G

<400> 354

```

acgangntgg aaaactgaaa gaaaacatat gtcaacgcat gtgtggaatg agactctcaa 60
ttcactctgc agctactgct ccagctaatt tagagcagtg atgacaggct tggctgggga 120
gacatggcca gccctTTTgga aatgcacatt ccctaaccat actgtaaaaat ggtgggTTTT 180
attaacaatg tatagtgcta acataaacca ttaaatagaag cccactcaat tctgc 235

```

<210> 355

<211> 227

<212> DNA

<213> Homo sapiens

<400> 355

```

gcaaagccct cctgttccca gcccgaagtc ggTTaaaccc atgtTaaatc tataggttga 60
agacctggat cattcgaagc ccagagcctt gcacagcagc gatctgctcc aacagagggt 120
gatgtcatca tccgaggcca cacaataat gcatttctca ccatcaaaaa gcctctgaag 180
ccatgttctc aaaggcaaaa aataaataaa taaataacca attaaact 227

```

<210> 356

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(357)

<223> n = A,T,C or G

<400> 356

```

gatgtccgga agaggcaggt ancgtggaga cggagggtcg gcggggcaca agagaacttc 60
cagggccaca agcgactctg catgaagctg tgatggggac accgtgtcgt cgtccgTTtg 120
tcggagctca cagaatgagc aacgctgcga atggtctctc tgtcagccgg gactTTtagtt 180
ggcaacagtt tatcagtcct gcctatcaac tatacaaggt cctggccgat gcaagacgct 240
gagcgcaggg aaactgggag ggggggataa ggggaacctt gtagtctctg cacagTTTTt 300
ccgaaaatct aaaagtgttc taaaataagt caattaataa aaccaaacaag gagcttg 357

```

<210> 357

<211> 369

<212> DNA

<213> Homo sapiens

<400> 357

```

gaacctgctg gaagctgttc tgaaccagag aaggatgaaa atagctgccca aagatgttgc 60
catagcaact gctttccttc ctgacctcct tggaagttag tagttgactt tgcagttgaa 120
gtactTTTTct gaaggcagaa gaggtgttca gccattTTtat actgacctaa ctttcttctc 180
ttgaaggtga actccctcat tttccagagt agtcaaggaa tttctgtgcc tctacctatg 240
gctttggTTa ccaactcatc cctgggggcc ttggTTtctt tctgtgaaat ggaatattca 300
ttccagcact caccaccttc taggctggag taaggctcca actTTtgaaa tgctggtaag 360
taaactgta 369

```

```

<210> 358
<211> 170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (170)
<223> n = A,T,C or G

<400> 358
gnggggtctt tctggcatgc gtctggnaca ccagccactc cagaggcaga ggatgatgca 60
ggagaatnac ttgagcccaa ggcngtggag gctgcattga accgtgatca tactattgna 120
ctccagcctg gataactgag caagaccctg tctcaaaaaca aaacaaaaca 170

<210> 359
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (430)
<223> n = A,T,C or G

<400> 359
tgctccttcaa aaggagtga aaatccaca gaagtcattt ggctggccaa ccaaaacaga 60
tgctgtgaac aaaaggcctc cctactggaa tccagaaaca tctgtgtttt tatggtcagg 120
tctatagatg tggaaagccag gtcccacgag ttgggtatgg ctgtcaccct gaagataaccg 180
cagatcgcca acatcacatt ccccagtcct catctagtgg cctccagtgg cccatctact 240
gggccagcag gggccaggaa aggagaagag ggagaccagt ggggctgaag gcaactggtgc 300
gtctgtgcaa gaggaggaag ccctgtgaga gggcagcagc ctccggactg gtacaaagcg 360
attctttctgc ctcaaccttn cgagtagctg ggattacagc aaaaaataaa attatttgct 420
tatcttcaaa 430

<210> 360
<211> 194
<212> DNA
<213> Homo sapiens

<400> 360
gaggacccgg ggaagaacca agagaagaca agaactgaag ttcttccatt cccacctctg 60
catcaccttc cctgctttct ctttccccag aagagactca gtcaacatcc caaagaccaa 120
tgatttcatt gttttacacc aaatatccct cctctaaatt tttcaagaaa ttgggaataa 180
acttctttacg caag 194

<210> 361
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (454)
<223> n = A,T,C or G

<400> 361
atggaaaaag aatcgcaaat aagcataatg tgaagagcat gagcttttga ataagcaagc 60
ctggaattac aatttttctt tattagctct gtggctgtaa cactcaactt ttgcaagctt 120
cagtttctct gtctgtgaaa tggaaataata gcacttacct cattggctgt tgtatggatt 180
aaatgagacc atgactatgg atgtatggca tttggtaccc aataaccctt caataatcgg 240
cagctataat tattcataat aataatggtg gtagcaacaa acccagccca aacatctgaa 300
ggaccgatca ctaaaaagaa gatgaactca gtcctacgta gtaacaagaa tgtganatct 360

```

```

atgttggtgc caaaagtctg gangagttgc caggaccaga aaaaaaggan ggggtgangn 420
ccgcctggaa naagganggg acagatgtca aggg 454

```

<210> 362

<211> 273

<212> DNA

<213> Homo sapiens

<400> 362

```

actccaatta gtctccgcaa tgcagtcaag cagatctcat gaagatataa atctcacagc 60
cttctctaaa acttctccca ctgatattct ggatcctgag gcaagagtga cagaggcaac 120
tactcagaaa tcaggatcca tgatcaaagg agcaacagca gtgtcaacca agaattgtgtt 180
tttagcaaat cttcctacac actcccccta ttctccagcc atggcagtta ttaacctttc 240
cagaatacaa taaagcctct gtgattcttg gct 273

```

<210> 363

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(387)

<223> n = A,T,C or G

<400> 363

```

gaaaactgct gcagagtgag agtcttctaa atggattaag aagcctatct caatccctct 60
ggagagtcct cttcaattca caatgaagat gttgaagagc agggacagac atcaacactc 120
ctctccccac cttccccact ggcagaggca ttcaggtcac tactagtgtc tctctttctc 180
ttttccctct ctcttaattc ctactgccc ttctctccat gtcataattc ctttttctcc 240
ttccctctct tccttcttac ctactaaact cnatatgtac caaaatcagt caaagctcta 300
ctatctagct ctctttatct agactaaagg gagttgtcca cctcttggtc tagataacac 360
ttgcaataaa agacctgtc gtttccc 387

```

<210> 364

<211> 101

<212> DNA

<213> Homo sapiens

<400> 364

```

gctgagatct gcaaacctct gggctctcaag agatgaaggc tacattagcc aactaagacg 60
acaaactcaa ctcttccttg tcattaaata atttgccagt t 101

```

<210> 365

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 365

```

aaaacccgga gagaggttgg aaacaaggct acgacctaat gtcctcagc cgtgcaggcc 60
aatgctttgt ggcgtcatca gctgcccacc gtgagctggt caccactttg agtccagttc 120
cccctggcac cncctgccta gtggataata tcataacctca ctttccagca gagaaaccga 180
gctgcagaag ttgaatgaag gtctctaggg atgctcttgg gtccatcatt cattatgtga 240
aatatgaaag gcctcaacca tatgttccca agcccctggg ttgctgactg gcaagaggag 300
agaagccact ccaccaagct gaaacagtac ctgtccctca cgggtggggag ctgaggcagc 360
cagcaaccag tcaatttttg caggaccaga agcaccatta gaggccttgc ttgctgattc 420
atttccatac ctcgttgatc tcc 443

```

<210> 366
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 366
 aggagaaagc tgaagcacia gatgggttaa aggactgttc aagacagcct tgcaattttg 60
 accaaggaag aaagctgaag agtgctaggg caagagagga actacgtcca gaacaattca 120
 taattccaaa ttctcacttc catgatttca atgctgaatg tgtactttct tagctaaaaa 180
 tacaattgct taagtaaaat catcattatt tac 213

<210> 367
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 367
 gctctacttc tccaaaagac gttacatatt ccaaggatcc tgcgtctcaa caaacccctt 60
 cttctgcaaa agaacagcct gcttttattc caagctctga gattccttat aggaagctgt 120
 ttctctccag ttatgccatg ttatgcctta acctggggcca acagtgccta cacacggaga 180
 atgcaatggg tgaggccaat tcattaacag ggattgttta gccacatccg ttgttaattg 240
 acaacatgtc tatggaatta g 261

<210> 368
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 368
 ccatccccga caaggtacca gacatatgag tgaagaatca tggaccctcc agtccacccc 60
 atccaccagc tgaagaccat gagtaacctg ggccacatgg agcagaatac ccagctatgc 120
 cctgcccagg tccttggtc gcaaaactcat taggacttgg attgatggac tctctagcct 180
 gagactgagg cctcctttct aatgaatggg gcagaaccaa gcaccttcaa cctcatatga 240
 agagcagtca aagaaagttt aaagcaaaat gaccataggg ggagggcagg tttgtgtgca 300
 gagatggccc tgaagaagag tgctgccatg gcaacacaaa gacagcagac aggctcatgc 360
 acttgccacc agtgggggtc taataaatgt tttggggagg catggagatg gcatgtcttg 420
 cctgagtcaa caatcagaaa aaaaaaagg gccgg 455

<210> 369
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 369
 gaacccttgt catccagaat ttcccaaagg atggtttgca gaacaccagt ctcaacagaa 60
 aaatctgtgg aagaagtgcc ctgtgatctg gcctatttgg aatactccat ccactctttg 120
 gaaaattaaa atatttatgg tcaagttaaa ggcgctgaga agtcctgcag taaataaacc 180
 tgtattttact tg 192

<210> 370
 <211> 235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (235)
 <223> n = A,T,C or G

<400> 370
 gattaatgaa aataaaacgc agaccttata agcagacgct gtgattttgt aataaagagg 60
 ggcagctttt acaggaaaaa gaacccgagg gaagctgttg gcagtctgtg aaacgatggg 120
 catggtggaa ttcggttttc tgcacattag atgttttaaa cagctgnaaa aaagaaaaaa 180

aggccagcga ggccaattca gcttggactt aaccaggctg aacttgctca aaagg 235

<210> 371

<211> 137

<212> DNA

<213> Homo sapiens

<400> 371

agtctagaaa atatgaattt acaaccacag agaagtgaag acagtctccc agattctcac 60
cccggtgtaat tgaaagtgat tgttgaacat tgctgatgaa gacaaaccgc tatgtaataa 120
actgaataat aacttag 137

<210> 372

<211> 186

<212> DNA

<213> Homo sapiens

<400> 372

atttaaggat tcaatatgga ctgcctcaaa tataaagggg cacatttgct acatgggtcca 60
gagacttggtg ttcctggccc agaatctcct tgctctatca attggttgaa agacactgcc 120
tgcatttgcc cttttgcttc tctctgttct gtacttgccac tatcaaataa aaacaatttc 180
taatgg 186

<210> 373

<211> 163

<212> DNA

<213> Homo sapiens

<400> 373

atttgtaact ggggatcccc tggaagaatc gtctggaaat tacgaccttc atctggcgat 60
tgcagctgtt aaagtctcca aagaggccat tcttacattg tggtgtgaaa ttattactct 120
atctcaaatac tgtgccagaa agaaaataaa atgtgtgttt atg 163

<210> 374

<211> 64

<212> DNA

<213> Homo sapiens

<400> 374

gtatcatcga aacaggaatt ccctgacttc agtaatgagt atttataaat aaatcactat 60
aaac 64

<210> 375

<211> 337

<212> DNA

<213> Homo sapiens

<400> 375

aaatcacttg caaggaagat tcagttaccc actgctacac tagaaagtta ggcttctctt 60
gcggcattcc acagtgaatc cttcatcaa cacctggatc ttacaaaatg aagtacctca 120
gcaagctatg aagagaaagg gtgttctacc cccttctact ttctgccacc tcaccacaat 180
aaccaatcct atcatcatca tcacaactgg ctccctcata cctttaaggt cccttcaaag 240
aggacatcct tgaccacttc ccctaaaata tatatcccct tccatgagtg tgctctctca 300
gcaacctttc tctcagcaat aaaattaatg tatcatt 337

<210> 376

<211> 62

<212> DNA

<213> Homo sapiens

<400> 376

aaatcatgcc caagttcaaa caacgaagac gaaagctaaa agccaaagcc gaaagattat 60
tc 62

<210> 377
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 377
 attggagagg atgaaggccc tgagggtccaa gaacatggaa acctgacagt ggacgccaac 60
 agctgtggag agaagccggg cgacagctgt ggagagaagc cgggcgatat gctcacgctt 120
 ccgtgtgccc agcaatcctg ctttatcttt ttaaataaag gtgattcctg 170

<210> 378
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 378
 cacctaaaagc agtgactggg gcatgacagc tatggaagaa atgcgtagga taaatgcatg 60
 aaagacagga agagaaaaag ccaactgggc acagggtcaa aaactatgaa tgaagagagc 120
 accacctaaa agactgcttt gcagaatcaa atgccacaga gaagcaagggt aaaatcaggg 180
 gtgaaaaaaa aaccgcctgt gtccactggg cacttttgct ctcattgtttc catggcataa 240
 taagaattta acagatgcat ttcgatggat acaaagaaga cattctgggt taataataaa 300
 cttttgtaat atg 313

<210> 379
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 379
 gcagtgttgt aagcacgggg acagagacgt acgtgagcag atggaacccc cgaagacctg 60
 cagctgtcat cctgggactg tgtgcccggc actgtgctaa atgctccctg gggcatctcg 120
 tgtaaccttt gcaggaaccc taaaaacgac gatcagatta gcctcctct cttgaaaatg 180
 gagacaaaat tcaaataaca taaacttcac cactttaacc att 223

<210> 380
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 380
 atatgagggtt gttgtatcct aggaaagaat gtcagcctct tgcattcccct acaattgggtg 60
 agagaagccc tgacctcaat agcatgagaa gacctggatt ctgatgcgag ctccactagc 120
 agcctgctct cctgactccc cagtgatcat ttctcctgtg tactctgggg ctgataccta 180
 ccctgtcctc ctgctttgcc cttgaggact ttagatgagc aaaatgcaag agacattcct 240
 atgaaaagtga tagattgtag aggtaatgaa gcttctcttg tgaatatgtg attgtctctt 300
 ctctcttggtg tgatgctgag acgctgaaca gagtaactgg tacgtagcaa taattcctca 360
 tatttttgca attctgggga aggaggagga agaggatgat gatatgaaaa cgggaaaaag 420
 agagaggtga tccctatggg gggg 444

<210> 381
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 381
 ggtcttgctg tgtccctagg ctggagtgca gtgggtgcagt ctcaattatg ccagatggct 60
 ctgagggtcca agtaaaaagat aatatttgca accaaatcac tggagttgac catcaaaact 120
 cttttccagg tggaaaagca ccctgaatcc agcttctctg tatgaatgaa tactgagctt 180
 ggggttggtgg aaattgattt tgcagataaa gaatccagcc aggactgtga agccccaggg 240
 aatggctgca cttcaagtca gaaggagcct ggggtccctga atcatcatgt ggaaggctct 300
 ccaccagtt caatgggtgca atggaccaca agcaggaact taatttaaaa atgtgcttat 360
 ttttggtaga ttttgtaatt aaaaaatgaa tcccactctg ctg 403

<210> 382
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 382
 gcactacaag caaatgccaa atacagggaa agtcaactag atggcagcac aagggaaatg 60
 atccctcagt cattccgggc ttcacaaggg aggatcaggt caacaatttc ccagcactct 120
 ctgaggatac ggaagggctc agaactcctc ctccctccacc tcttagggct ccttccttaa 180
 attttgtaat ctgcatcaca tcatattgca gggatgtgct aagaaacata cagacatgaa 240
 caccogaaca agaggaagct gaacaaaaat aacttccatc gtacctagaa aaaaaaactt 300
 ctactatatt ttatataaca gcagaagtct attccatctt ctcttctgct taaaaataa 360
 aataatcatt ttccaatcc 379

<210> 383
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n = A,T,C or G

<400> 383
 cagaaaactga gggtatttgg atgaaatgct tatttctttt ttaacataag cattgactgg 60
 aaatatttgtt tattctgtct gatattacat gaaggtcaga tgccctccat gcaaccatga 120
 ggtcggatgg cagtttgatg ctgaaccagc aaacaagcct actcagcatg agactatgag 180
 tataaaaacc tttatgatga cctacctcca cttggatcaa tgaagagaat aagagttggg 240
 gacataaaca cattcaggag agaangaang acccatgttg atagtacacag ggaagaaaga 300
 acagctcanc ctaacattac ccaagggcnn tagaaggcct gtacaaanaa ataccanccc 360
 ctgantggac cnnccctntg atcctttggn accttcccag gctttcccag aanttacaag 420
 ggaaaaaatt anaaattttc ccggtttg 448

<210> 384
 <211> 278
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(278)
 <223> n = A,T,C or G

<400> 384
 gcaggaagag tccctcagca gctattccag cccagtgag aaaccagaaa agatgctgag 60
 acgttatgag acagtgaaga ccgggatcta tcattggact aacacagcaa tcatcnttaa 120
 catgcagaga ggagaggaag acttggttca tctcattcat gttgcaggga gacgccaccg 180
 atttgagttt caaattatgg cataatagct catttatgca aatcataaac aagattatat 240
 aatggtgttg tgaatgaaat atacacacca atctaggt 278

<210> 385
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(162)
 <223> n = A,T,C or G

<400> 385
 tgcaaagtaa atgatggcag tgtcctacgt gacagcaggg caacaagata gaaggaacct 60


```
ntcaccgaat gaccatgcag agcaaagtta ctcatcaggc aatgactact cataccagga 120
ttgctacatg agcagtaaat aaacttcttt gttatttgag cc 162
```

```
<210> 386
<211> 447
<212> DNA
<213> Homo sapiens
```

```
<400> 386
ggcctcacca agagtcttgg cgtgaaggcc gacaatgcat atcctgccag gccaaagaaac 60
aggaaaaata taaacaccag tgatagagac aggaggcagc caaggacccc tcctgcccc 120
aacacctgac gaaatgccgc cttcaagcct aaaacagcat gagggatgaa aaaccagact 180
gccggtccgg atgaagccca cctttttccc caaatgattc tttctgaata acgcccactc 240
gcacattggg aggagggggg ggggccttgg gaagtttgca ctgtttgcag gggggaggag 300
cctggtctct ctggtttctg tgtggttaagg tgggatttaa tccctgagat ggagagcctg 360
ttagcaggac tcttatctca ctttgctgat gcgtatttcc tttttcattt ctgcctaata 420
aattccactt gtcacccttc aaaaaaa 447
```

```
<210> 387
<211> 303
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G
```

```
<400> 387
gcatagggat ttccagcttt acaacatgct atgaattatc ctctctctgtg ttaacacttg 60
tggttaacctc atccgaagtc ctgggggatg tcctgttcaa cctgccattt caccatagtc 120
agagtttggtc cacagtgaag agtggtgaaa agactgaagt ctttatacca ctngcatata 180
ttgttctgta tcctgcgtgt acatttcaga gaactgggtga ataaactctc cgctccatgc 240
ctttctgctc agagagggtta catcttatat tctccaaatt taaattaaaa tgtagcttcc 300
ttc 303
```

```
<210> 388
<211> 442
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G
```

```
<400> 388
ccgatcgaat gcctgctgca ctgctgaaga ggaaacagag tcgtggcctc cgggaggggg 60
ctcaaacctg tgactggtgc atgttcgccca ttagacacac tggctggtga ccagcagccc 120
cacctacaga attccctgga atgaggaatg gcattcctga gaccactcag cagagactac 180
ctcaaaaggc gctgctcaat gccaggaaat gcagcgagag aaaatcccct tccggtgcca 240
cctctgtggc cagcacacag gtcccctgct cagcgggtgt gtgtagacgt gccctcagga 300
agctcagccc aaggccctct ggaagtggcc acagctggac cacacggaac tcatccactg 360
cttcttttga gctccaggaa agcgccagaa gangggcact gaggcagang gaaagctaag 420
cagcctgtgg ctcaaaacat ac 442
```

```
<210> 389
<211> 111
<212> DNA
<213> Homo sapiens
```

```
<400> 389
gtgaacattc ctgaggaact gaaatatgaa atctgtcaag tcacatacag agatcctgta 60
```

gatcattcaa ctgccatcc caaatcatcc aataaaatat gatgcttctc t 111

<210> 390

<211> 447

<212> DNA

<213> Homo sapiens

<400> 390

gcataactaat	aagcccaggg	aagaagagtc	agacccagtg	ccagcgcagg	ggaaacgcat	60
ctaataccaga	acagcagaca	cagctcctct	cccatggaac	acccagagca	gacattgcca	120
gtcgatccca	gcaccctttc	cccgggagcc	tgggctcagc	ctcaagactt	tgccctccgt	180
tcacaaagct	ctgcacagcc	agttctcatc	aattggagtt	ggtccaaaat	atggaaactc	240
tttgctctgc	ctgacccaaa	ccattcctct	ttcccataac	aattctgaca	tttaaaaaca	300
gcagaattcc	ccaacactca	tccccgggaa	aagaaatttg	gcattgttgg	tactttcaac	360
tcctgaccct	ggtcaagctg	ttgagtcaac	ttgtggttga	gtctgagccc	catttctgca	420
gacagaaaga	ccgcatttgc	gttttttg				447

<210> 391

<211> 336

<212> DNA

<213> Homo sapiens

<400> 391

agtttagactg	gctgagcaac	ccaagctttt	gtgttggatc	cataacgtcc	ctgagccaac	60
aaactgaagc	agctccagcc	catgtttctg	aagggttacc	gctgacaagt	ggcaagtaca	120
tgacacagtt	agtgcctgta	attaggccaa	gagggaaatg	gcatcattgt	gattctcgag	180
taactttact	agcctcatta	gtaaccttta	gaacatcata	attcaggagt	catctgaaat	240
cagagtcttc	agatgaaagt	gacactaaca	aaaagctcaa	acaaacaagt	agaaaaaaga	300
agaaagagaa	aaagaaaaaa	agggagcatc	agcatc			336

<210> 392

<211> 76

<212> DNA

<213> Homo sapiens

<400> 392

taaccagtga	ggaactgagg	tctcccagca	accacctgtg	tgaagttgga	agcggcgctc	60
tctctctctc	tctctc					76

<210> 393

<211> 443

<212> DNA

<213> Homo sapiens

<400> 393

gggtcctcac	tcagaatgcc	ctccctctaa	caaggagata	attggagaca	cagccggctc	60
tgggcctgct	ctgagttgaa	agaggcacca	aggaaccttc	aacttcatcc	tcaccctcag	120
gaaatgggaa	ttgttcttcc	ccagttctca	aagaggagaa	gcagcccttc	ctagctggga	180
catgatatta	tgttcatcac	taggacctgg	gccctgtgtc	cagctctgcc	attagacctt	240
aacctctgtg	ctccacatat	gtccaacgag	catgagatta	tccaccccat	tatgcatagg	300
atgtgcagta	ggcagaattc	taagatcgcc	ccatgacctc	tgccccctgg	tgttactgct	360
atgattatgt	tatgttccat	tgcaaaaggg	attttgcttt	tgcccatgta	attaccgtta	420
ttaatcagtt	gaacttaaaa	ttt				443

<210> 394

<211> 439

<212> DNA

<213> Homo sapiens

<400> 394

cttttcattt	aatcttgtac	ctaatatggg	acgctggcag	cggcagagag	ccagaccgac	60
cttctaaaac	caagactaca	gaccacacac	atagccttga	agatccgtga	acttctttat	120
aaagggtgaa	gtttcatcaa	actaaggaat	gaagggaaaag	gaaagaataa	agaaagaaca	180

atgcttttttg	ttttccgagt	attcttttttg	ttcactacaa	ggtggcaatc	agatatctgt	240
agcaagcttg	gatcagtgac	gtctgagata	cctgtttatg	gattattcat	ctgttctaca	300
taatgacatc	tccacctcca	gacaaaaaatt	tcatagtatg	attgtagatt	caactgtgctc	360
ttatctgtat	gcagaagaat	gggaattggg	acccttgcca	cacacttggtg	aaaggaaaaat	420
aaatcttttg	ggtcccaaa					439

<210> 395
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (446)
 <223> n = A,T,C or G

<400> 395						
gtggcatgtg	gacangcagt	tggaaagaga	aagtacagaa	agaagttaaa	agtatgctag	60
aaaaaacagt	aagtgaagaa	atgacagagg	tgccaaagcc	aggtgaagtg	aagaggatc	120
atgaggcaga	agtgtcttcc	tactctgagc	gggatcccag	gaccagcagc	atcagcattc	180
cctgagcctc	atcccagacc	gacagaatct	gcatctgcat	gtaaaaaaga	ttcccgggta	240
atttgcaagg	atattgaagt	ttgagatgct	gtgggtgggtg	ggtttaaagc	ttgaggtctg	300
gaattagaag	gccattttca	agtatctgtg	cctctcatta	gctatgtggc	cttgtacaag	360
ttattattat	ttccaccctt	aataggtaga	gatgaatcta	tgctaaacac	ttagaaaaatg	420
cctggcaaatt	aatactatca	ttcttt				446

<210> 396
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 396						
aagaggaaac	tgaggctaag	agattgaggc	actcatccac	tggcaagtcc	cagcccagca	60
ggactgcaga	ggatcaagac	ttataagaaa	accttcctaa	caccagtgcc	tgccttgttt	120
ttccagcgca	aatcatactc	aggaagacaa	acatccaacg	tcctcctctg	cttcttgggc	180
ccggaagaat	gttataaaaa	taagtaactc	atgaagaaaa	c		221

<210> 397
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 397						
gcctgcacta	tgtactgcta	agtcaatttg	tggatttaag	tagcagggtca	attctatcaa	60
atgctgctgg	gtcactgaat	aaattgagga	caatggcgac	aggaaaagcta	cctctgacct	120
tgacaaagca	gtttcaatgg	agtaggggtcc	atgagcagac	gagcagatga	acagatgtac	180
agaagagcag	agaggcagag	aagcagctca	gcagagaagg	agagaagaga	agagtctgaa	240
cgtcgagagg	agttcagctg	gagacagcca	gagaggaggt	cagctgtgga	acagccaaac	300
tccagaggaa	gatcatcttc	ccactccatc	ccctttccag	ttccccaccc	gtcccattaa	360
gagccaactc	catcatccaa	taaaatcccc	atattcacta	tc		402

<210> 398
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 398						
ctatgaccac	gaaggccgcc	tgaccaacgt	gacgcgcccc	acgggggtgg	taaccagtct	60
gcaccgggaa	atggagaaat	ctattacat	tgacattgag	aactccaacc	gtgatgatga	120
cgtcactgtc	atcaccaacc	tctcttcagt	agaggcctcc	tacacagtgg	tacaagatca	180
agttcggaac	agctaccagc	tctgtaataa	tggtaccctg	agggtgatgt	atgctaattg	240
gatgggtatc	agcttccaca	gcgagcccca	tgtcctagcg	ggcaccatca	ccccccat	300
tggacgctgc	aacatctccc	tgccatgga	gaatggctta	aactccattg	agtggcgcct	360

aagaaaggaa cagattaaag gcaaagtcac catctttggc aggaagctcc gggtttaaga 420
atgatggtgg gccttcc 437

<210> 399

<211> 132

<212> DNA

<213> Homo sapiens

<400> 399

acatgatatc tggagatgca agaatgcaac aaccatcttg ccaccaaag aagaaaaaga 60
tgagaacaaa agtccaagt ctaaggatgc ccttttcacg ttctgtgaat taagaagaaa 120
agaaaagaaa ag 132

<210> 400

<211> 260

<212> DNA

<213> Homo sapiens

<400> 400

gccctgggaa gattacgtag ccaacactgg tgtgaaaatc atgcctatgg agggttcttt 60
tggaacccag aagaaacaga taaaggaggt gtttattcat gaaaccagca cttagaagac 120
tgcacagca gttccagctc catgattaca agctcctcga agacatggac cagatcacac 180
ctctcctgtg tggctaaggc caactgcaca tgtagaacgg tggtccttct atgcttggga 240
caataaatc tcacaaaatc 260

<210> 401

<211> 292

<212> DNA

<213> Homo sapiens

<400> 401

cacagaaaaag ttaagactct tcagtgggac ctgctctggc cagtgaaatg gaaaagaaag 60
tgacatgtat cacctctagt ggaaactcta agagccagtg caccatttac cgaattttat 120
ttctgcctt ggcaattgtg gatgaatttc catcagccta agtacctgag caagcccttc 180
tacagacctc tactagacat gtagcataaa ggagaagcaa acttttgta tattgagtga 240
gacgtatcat ccattctaata aaaaaaatca taataaaacc ttctaaaaga tc 292

<210> 402

<211> 194

<212> DNA

<213> Homo sapiens

<400> 402

gacagcactt ggtggtgtta cattgatagc ctgaaatcag ccatcgtgag agtattttaca 60
ctacaaatca acaaacatta tacatcagag gttttattga tttgttgact gtctagacca 120
gggatgagca aactacaagc aaatctggct taccacctgt ttttgtaaat aaagttttat 180
tggaacacag ccac 194

<210> 403

<211> 294

<212> DNA

<213> Homo sapiens

<400> 403

acaagatatt gctgagatgt tgcccagatt ggtctcaagc tcccaagttc aagcaatcct 60
ctgaatcctc tggcctcagc cttccaagta actgagatta caggcatgtg tcatgggtgcc 120
caattttatca atgcatgtg tctacaagtg gagtggcaca ttcaaattat tgttgctgtt 180
gtcattttgtc cattcatttg ttgactcagt agcattaact gagtgtctat tccaatgtgc 240
agacactatg ccaggtgctc ggggtggaagg aggaataaaa ataatggtca taat 294

<210> 404

<211> 347

<212> DNA

<213> Homo sapiens

<400> 404

```
gtttcttttt attgaagctt gaagctcaag ttcattggctt catcaaaaga cgcttcaaat 60
cctgaagttg agatagctct cacctggagc ccgtgtgttg ttctaccctt tggctgggaa 120
cacagtcacc tgggaatcat tccagcaggt ggcttcaaaa gtccaacctg ctaggttgaa 180
atctgacact gacacagact ccgggagctg ccgcggaaag ctcaaccagg aaccggaaa 240
tgcacaagcc tcttgatgca taaaaacagc tgggctccct tggagacaga gcgccatggg 300
aaaccgggtc tgctgcggag gaagctggag ctgccatcaa cttttcc 347
```

<210> 405

<211> 428

<212> DNA

<213> Homo sapiens

<400> 405

```
ccaaaggaag catatacccc tggcaaaact gaccagcacc tgaacactgc cccaacagag 60
aactcaccag aagacccttg agtcgggaat tccttcctgt gggtagaact tggatataaac 120
aagtaagcca agcaaggaac ttacaccaca gccaggttaa caacaggatg cccatgagaa 180
ccccgagccc gactcagctc cctaaccctg tccacaaatg gcccgggctc tgtgccaatg 240
actaatctcc aaagtattca gtgaagcgtc tgctccattc gggatttttt cagatgggca 300
ttttggtttc atcaagccct gctttctccc gctccgtgac tttgcatcag ttgtcatgag 360
gatgattaaa taatttagca cttaaccccc tgctgtactc cttggcctgg atcatgacca 420
caccgaaa 428
```

<210> 406

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (299)

<223> n = A,T,C or G

<400> 406

```
cctgcattaa acgagactga gggtnagcca gctctccagg gatctctcag ccngggcgga 60
cagaaatgga tacccaatgt tacttgcttg gcccctgac ctgatgggag tatgacctac 120
tgggcagagc tcagctcagc taccccaaga agtaaacagc acagagggaa agataaacct 180
tccaggcttt ccgaaagcaa ttatcatgtg tggttatcga aaatttgtat tcactatccc 240
gggggaagga agcagagata caaataaacc cagaattgat atttgcttgg ggataaatt 299
```

<210> 407

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (418)

<223> n = A,T,C or G

<400> 407

```
atgataacaa aggctcaaga agattaagga atcggcagat gtgggatgtg caatttcctt 60
atggctcggg agatgatcaa gttaaacagg cacgctatta tgaaaaacca ccaataaaat 120
gggagaaaaga cataactgct gctgtatgtg gagactgcac ctacgcctta atttgacttg 180
ccgagcaaga acaaatggac agcacaccgg gtgcttggtt agttaccgag gcacatgatt 240
atgaggtttc cagaaggcat cttcttcaca tgtgagatca ctcagacttc agcacttggc 300
aatcagatac aaacatgtgc aagttgaact agaaattgtt tgaaaaagct aatgatcttg 360
ctctagattt ttttttttaa tnaaaaaact ttntgngtcc aacngaaatg gaataaat 418
```

<210> 408

<211> 435

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

<400> 408
 gtccgccaac catccccga tccggccgtg ttttaactttc tttgccagtc gtgatacccc 60
 gtcagatttc tggcgctgcc acgccgcccg cctggggtcc ttctgggctc ttatcaacct 120
 ctcccagtc gtctggcccc ccacagctgt tccaggccct cagccccctca ctttatctgc 180
 tcgcacagac ctccggcctgg caagcggtgg gctcggcgcc tgctccacat accccaggaa 240
 gccagctggg aacacagccg ccctgctccc ggacctctg agagttcatt accagccagg 300
 gtaccccgag ccgtcagcca aggtgcgggc cgcgctgccg agcccggccg ncggagccgc 360
 ctggatcatt aaaactncac cctnttgaga gaaaaaagaa aaaaaccccc ncttttaatt 420
 ntaaaaggct ttggg 435

<210> 409
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 409
 agtaatgtgc ctagaaggag acagtgcac gaagcaagtt tactctcagc atgtcaagaa 60
 aacattaaaa tattatttgc ctgatgattg cattggacac attttgtgaa atacatgagt 120
 ccctcctacc tgggatgtca agagactgct cttttgctgg gagaatggac tgatcttttg 180
 catcagctca acgctgcttt tggggagcca ttttggtatc aatatatgta ttgcttcctt 240
 taaatgggaa ataaccatgg tctgtcaaca aataatcttg tttgataaat ctgaccacga 300
 tgggtgtgcta ggttgcaaaa ccgtcttctt ctgcttttga aaaactcagc tctgtccctt 360
 catcccttcc tctgccacca gcctctgtcc acccccag 399

<210> 410
 <211> 79
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(79)
 <223> n = A,T,C or G

<400> 410
 aaaaagtctc cctctggagg acaccaaact gtcacgngcc cgcttctatn actccctanc 60
 cagnanggta aggtcagcc 79

<210> 411
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 411
 gaaggcataa aacggattca cgtataaagt tattgcctcc ctgagttcct ggtgctgtgt 60
 taagtgtctg aagtatgaag gcaaatggaa gtgagatttg ttctgtgcct gcaagaactg 120
 tgagccagga aagtagctta gaagtgaaca atatgtcaag gtcccatgag aagactgaaa 180
 aaaagagaag aaagaggaaa gaaaagaatg acaagaaaga gaaagaaaga aaccaatatg 240
 ctctttgttc tttgcttttg ctctctcaag cttttctctg tctacaaagc caacctctcc 300
 tgctcagctc atcagaacat tcaactccact ttctggaatg aggtgttgcc tgatcctaga 360
 agtcgcaata aagccactg agatcgtaaa act 393

<210> 412
 <211> 325
 <212> DNA

<213> Homo sapiens

<400> 412

```
ggctctccctc tgttgcccag cctggagtg c agtagcatga ttccagctca ccgcaacctt 60
gaccttcttg ggctcaagtc atcgagatta caggcatgca ctaccacatg cctgatgtga 120
gctgaaaaat ttctattgcc tggtagacatc atagtcattg taacagggtg tgggtgtaaag 180
acagacctac agatgaatga aacagaacaa aaaatcccca aatagaaccg taaatgtatg 240
ccaattgatt tttgacaatg gtgtgagggc aattcatgga agatatgtat aagaaaataa 300
ttaaataaac cttgctcaat ccatg 325
```

<210> 413

<211> 209

<212> DNA

<213> Homo sapiens

<400> 413

```
ggacgttcta acataaccgga aagtgtggca tcaactacct tgaaattgga caaattcagc 60
tttggagggtg ctaagctaac taaatccatt ccaatggaag ccagcccaca ttgcagctgc 120
tgaagaagct accctgactg taccctaaac ctcaagcaaa cgcttttctg ctgactaaac 180
tgaacagtat aagaaaccag ggtgagcac 209
```

<210> 414

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(444)

<223> n = A,T,C or G

<400> 414

```
tagtgtctcc aacaccatct tgaagggtgca gtgacttgca tatagtaggt gcttgatatt 60
taccaagtac ccctgtgggt caggccctac tctcacccta aggatacagc aggaagcaaa 120
gcagagggtg agaagatccc actaaacaca caggccgctt ggaatgttgg gccatctgtc 180
cttttgacat gaattttccc tgtaatgggg gtagagctgg taactgttgg atcatttgat 240
tattggagac agaagtcctg tcacttgccc ctgctgttag gaggtgggct tcctgaatgg 300
ctttctgtat acatgaagaa tttcaagacc ttccgttaag gggggcaaga gctaaagttt 360
cagcgtttac aaagaagnct cttggctgac tttgctataa cttacagcac ctgacgtttg 420
gacacctttt ctttttttgg tttt 444
```

<210> 415

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(558)

<223> n = A,T,C or G

<400> 415

```
acactcaagt ttcccacaca tgactggatg gccctggcca cactgggaac ggaatggggg 60
cctcccattg gaactcaggg tggaggggga agctcgacca gctattgtgg cccccacttc 120
cattgacaaa atgtgggtgg gagacttgct cttggatgct gtcaggaagt atcatctgac 180
tgcgtttgct accctggggg agacaaacaa aacttgagtg aaggaaaatg agaactcacc 240
tgaaaccaag aagagtcctt ggaaaaggat ttttgtggac ctcatcaaat aaccaggaaa 300
gattaatcac ctgagaagag aagagactgg gaatcttcac cctgcccaga cagacttttc 360
atctattctc ctgagagcag ctacaagaga ttacctgtgg gactcaattt gcataataag 420
atganctttg tttctgggca agttccaccc ccantttcc ataatgnctg gctnccacct 480
nccaggngca ttatttttnc ctaatgactt actgtctcta aaanaaagnn tacctttcca 540
tttcttcttc ctatggaa 558
```

<210> 416
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 416
 gggaatgaag aaaagaagaa gacaaaaatg aagacaaaga aggagaagga ggagaaagag 60
 gaacggagac ggagagaaa agagactgat ctggactcat atcgccctgga tcttgaaccc 120
 tgacttttttg ctgttattgt tgttctatat gacattgatc atattagtaa atttcctgtg 180
 cttccatttc ctcactctgta atgtgagaat aaaaatagta atgctgcttt tg 232

<210> 417
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 417
 caaattgcag agaatccata catgtaagga ccgtgcacta actgattgtg ccactggagc 60
 tccatggaac ccatacataa agcacacctc ttctcttctc cttggcatcc aacctgctgg 120
 ctctacaact actttcaaca atgagtcaag gctgtacctg gcaagatgga aattcaaaat 180
 caacaacgaa agctatttat tttggttttg atcctagccc tgggcctttt actaagtatt 240
 cagaactgat ttaatgaatg aaaaaatgaa tgaatggat acatttccat tgtctattct 300
 gcttcttttc cctaggggaa tgtgttaggc catgatttcc ttgctgggtt tttcatatgg 360
 gtgggtttatt ggcacacgct taaattaaat cactagttcc attc 404

<210> 418
 <211> 443
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 418
 aaagttgaaa gtagctgata tgggaccaca gaatattggc caatcagcat tgtcttaatt 60
 gaggctctac ttcaaggaaa cctgatccca gaaaatgcct aaaacccaaa cagagagtat 120
 gtggcacttt ttaatttttt cctggaatca gtggtcataa cccagtttac tgtttgtgtg 180
 attctaaaat tctggattgt ggattgttcc ttccaaaatc tgctacttgt ttgctgcatt 240
 caattggaac ttaaaataga ttttaaattc atcctggtaa tttcagaatc attcatttcc 300
 tgtccatctc gtcacttatt ggccaagttt ccagtcttaa cactgctcta ctggagtaaa 360
 aggggaacctn atgggttttg ccanaggggg aatttagggc cttacagctt atgaacctat 420
 agggggggng gatttataag gca 443

<210> 419
 <211> 971
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(971)
 <223> n = A,T,C or G

<400> 419
 ctggggagcc tacnctgcat taagtncaga aacttgagna cgcncactgc natncttngn 60
 atgnacganc cttaggggag cggcggcgag gacactgaca ctatgcgaga aggcgtacat 120
 actgctcacc gtagatgcac ttctcttggt atcttttggt ggcgtgctcg tttgggacgc 180
 anacatggaa ccacaanacc ttagctgtat ccccttctat gggttctcct tcgaagtacc 240
 ttgcacctct aggacacaca catggggaca acgatttccct acaaacacca cattatcttt 300
 tanatatttc naggtgtcna anaggaaaat gggatcacgaa naggcccctt gcatgggacg 360
 acacccgaaa aggnccgcaan angacccaaa ntacggccna tttggccccc cttgggtnga 420


```

annnttttng ncaacnccct taattaacgn acccccnchna ggaancgggg gccenttgga 480
aaaaanattnt accntttanan tacgnaaaaan ncccnccnaa acacacctta naggaagnc 540
atagtaattg gncctcccct ttgactcccc cccatctccc tnttantact tttgggattg 600
ggaacntatt nttcccccat cgccaatcga aaagaggcgg aaaagggttg ncttattana 660
ctnggggggg cccgggggtc nccttttttg gccccgtttt aanaaagngg ggaatgggga 720
accggttttt aacccccctt gggttgggga aaagggnaaa nngggaaatt tttncctntt 780
ggggcccttt ccaattttnc cttnggggaa ttttcnggaa aaaaaaacc cccccggg 840
ccccaacctt tggaaaagcc caacccccct tttgggnggg aaaccccccc cccaaacntt 900
tccctttggg ggcncgggcc cccaaggaaa gaaaaaccca aaanccccc cncnccctt 960
tttttgggac c 971

```

```

<210> 420
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

```

```

<400> 420
gaaaatgcgt caccatcaa tccaagccct ccaagaatgt caaagctcct ctttgaatca 60
tcttgtcctg acaccacctg gctcccaggg cctntgggca gctgtggctg tgcagccct 120
gcttttcacc tgtctcctgt cctggagtgc tcgntgcac ttcatgtgt tagttgcacc 180
actcctttaa gagaggctca tgccttacct tatccctca atgactgtct ttttttgta 240
tgcccttaag agcagagcat ggggctagag tggcaggtag tgtttcaata aacacttggt 300
gacttac 307

```

```

<210> 421
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<400> 421
tcctgaatgt tctaggatgg aaaaagcaag aacttataat agccgctctg tcctgaacga 60
gactggagag tgtgagaagg cagctcgggt gccagcactc caggtgccag cagacggggc 120
tccactgaag acacgatgct gcaaaactgaa aacaaaacaa caacagcagt ggtctgagaa 180
gagcactgtc ctcatcattt gtattataag agtacagggt tttcccccac gagcttttta 240
gtgaccataa aagaccgttt aatactgcac agttt 275

```

```

<210> 422
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```

```

<400> 422
gtgaaatggg tgtccataaa aaagtgggtg gttcagccga agaaattgct cgtgtttttc 60
ctcaagacag ctatgaagca aaagtgttct atgcacagct tccattttgt cacaaaaagt 120
tgtgtatgca agagttgaga ctgaataaaa ttaattcata cagctttgtc agggacattc 180
ttaagtgaac ctatgatctg ttttttttaa agcaacaagt acatgggtgac actgaagaat 240
ccaacgatgg ccacgagcgt gtgcggccac ttccctccac ccctgccaac gctccagcag 300
gttccccctc gctgcttctg caccctcagt gcacgcacat cttangagcc naccncactt 360
tntaagcttt ttgcnatnt aacctcatal accagcctcc acaagnggcc ttgtttccat 420
ggagacagtt gccagctga 440

```

```

<210> 423
<211> 229

```

```

<212> DNA
<213> Homo sapiens

<400> 423
cagggagata ccagggctcg tcatgggcag caatgactac gatggacaag aagatagagg 60
ccctaatacct aattttctga gcaccatgga agccccctgg attctaggga gaccttgagg 120
agaaagaaga ctccctgtaaa tgcctgacat tgaaattcct gcaagtctag gagcatgtga 180
actcaaaatg gaaattaatt tgatgtaata aaaataaaga agaagaatt 229

<210> 424
<211> 100
<212> DNA
<213> Homo sapiens

<400> 424
gagacaaaac cagactgaca agctgaagac tcaaacatta atcaaactgc gctccggaac 60
aacctttccc tcgcattaat aaatacatct gcggccccctc 100

<210> 425
<211> 393
<212> DNA
<213> Homo sapiens

<400> 425
actgattcct gcatagccac tgaccacagc ttctggaaca acaaaagcat tgaatcatta 60
atcctgaatg tggccaatga gcaagagatg aggaaatcta cccagttcat gaccacaaag 120
caactcacca gcagctggat ggcctgggta gcttatttct ctggagagac tcttagacag 180
tgactcctga tacagagatg ctgagactgc attttgtgcc tggaggagag aattaccacg 240
tgtgatttga gagcatcagt gtccctccag aagagacatt tctaaatgct gctagtgcga 300
aaaatgagct tatgttcacg tagccccctg gggaagaaaa acagtaatat ttaacagtac 360
attttaagaa ccaataaaaa tattttttaa atc 393

<210> 426
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 426
ggagatgctg tcagaagccc cactacggaa acatcccaag gcctactatt acctaagggtg 60
acaccactca gctgtgcagg ctttctccct gacacaggaa accattcgca gacattacct 120
catcgctcta atctcctatc aaacctgtga gacaggtaac agaaggatc ctcaatttac 180
ctgtggggaa attgctgccc aagcatcaga gcttccact ctgcaaacac tgcaagtgtc 240
cctgacacca gcacagacta agaagtgggc atctctggct tattctggga ccaagtgcta 300
aactgcaaat ggacctctc tctatcccaa ttcacaggg gagaaaaatc tnggttaaaa 360
agggngcct tnttttaagc agctgtctca tttaaggnc tccgacttgg gcagcaattt 420
tagtacttta caagccaagt atgtttgcag aaactctagc a 461

<210> 427
<211> 383
<212> DNA
<213> Homo sapiens

<400> 427
aatccatcat gatcctatgt gggttctgcc taaggaagac tttcaaggca ggaggccctt 60
gaggaagaac agaatcatca tgtcatcatc cagggtcctc tatctctggc aaagactggc 120
ctgatgaatg ggatcagagc tggaggcctg ggtatctttt gactgcaaga gttaggggtg 180
gcggggtcga tacagtccct cggcagccaa gacatcccca acctgtccct gaataacaga 240
caagtctaca tttcctgaaa ttctgtatca ctgtattggc aataaacacc tagagaagta 300

```

```

agaaaggagg agctcctaca aaaaaaaaaa taaaaaaagg ccagcgaggc caattcagct 360
tggacttaac caggctgaac ttg                                     383

```

```

<210> 428
<211> 573
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G

```

```

<400> 428
ctcctgctgg tcttgaacac ctggcctcaa gcgatcctcc cacatcggct ttccaaagtg 60
ctgagattac aggttgtgaa gattacagaa atctgggatg gcttatggga cgcttctcag 120
ccctaagtac gaaaacagca gtgaaaatgg caacccaaac atcacgcagg actggggggt 180
ttggggaaac agctcacttt agagcagtgc agtgtagagc tttccgtctt ctaccagggt 240
ccacctttta cactgtttat ctgaaaattt tccccctggc ttactcgctt gcagctgccc 300
actttgcaga aggatggcgc tccgatctct acgctccctg ttcttccagg gactccatag 360
tatttttttt cacgcgtcgt cgctactaca gcagacgcct gcgttctcat tatttgctgt 420
acagatctcc ggtgccttga ctgtaaacaa aacactttan atcattgtga ggcgatgtaa 480
gcacagcctt tctgctggca gccagacttc ttaagggggg gngactgnga cttgcttact 540
tttcgagatc acaaccacca agcgacaaaa tgg                                     573

```

```

<210> 429
<211> 372
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

```

```

<400> 429
tgttctagcc cagtctacag ggaatgcaca gtgagggttt ttgtgtcctc tgcttcacct 60
tttgatgtna gagggccaaa aactccaccc tcagggtcgt gctaacacca ccatttttgg 120
aacatgagtn ctgtggagat gtgnagaagc tccattgtgc ttatgcatgt ttctcctttc 180
ataaatatnc atgactcctc ccatacttta ttcgaaata gtatagttca tgccaacctg 240
ctnaagcang aatatcctga tcccttngct cctcccttga aatgcctagt ttgctcggct 300
tcaagantag anaangctac ngctnggcgn ngcatngtca ttaatnncn acccctgnaa 360
gggggggcaaa cc                                     372

```

```

<210> 430
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<400> 430
atgggaaaaac tggagcccaa aggatggaaa tactgaaccc atgggctctg tcactagact 60
gcatcccagg gcctcaacgt aatatattct taatcatact ggggtaacct attagaaaga 120
accctgtcct ggaatcctgg aaaagaggcc ctgctaggag ctgaccttgg acaaatcact 180
cccttctctg aacctcactg ttcagggggc tgagaacaga ggggccctaa ggaagagtgt 240
tgtatgagaa cagtctccgc tcttgaccca agcaaacctg gcttcaaate tcaactcctg 300
tggctgacta gctgtatgac cttgaccttt ctcagtttcc tcatctataa agcaggatta 360
ataaaaggta cctatctaata atgactgttc tgagaataaa atgaaataaa ctacataggt 420
gatttg                                     426

```

```

<210> 431
<211> 349
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(349)
 <223> n = A,T,C or G

<400> 431
 ctgcttcctc tgggtcattga tgtgtcagct cccgctgtgc atcancctg ctgctccccg 60
 gaagccccgc cttgcaaatc acaaaatgta cccagcactc cctcaccag cctggattgg 120
 caatggcccc acaggacaca tgggaatgat gatctttaag tctcagatgc ctcatgaata 180
 aagtggatgt gatggtgcca aatctgactg aaaagtggg aatcagctga cctttcccag 240
 ggattaaagc atcacctgct gtgcaggggt tttgtgatac atgaaggcgg tagtgcatgt 300
 acggtaccag gagtaacatt atgtnathtt aaataacaag ataagtgt 349

<210> 432
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 432
 atgtttccaa aaataattca tggaccttat taaaattgaa aacgttgctc tttggaaaac 60
 attgttaaga aaattaagag gcaagcctca gattgagaaa aacatttgca atgcactcat 120
 ttgacaagtt aattggatac caataagcaa ggatttacta tgtgttggaagg gggaaaacat 180
 tctgcgccat acttctacta accaactgga aaaggcatac aattgaattg cgggagagga 240
 aatatgatga ccaaacttgg caagggaaaa aagtttagccc tcttggtcaa cctgggcaaa 300
 tggagaacat gcaagagact tacgaggatc aaattctcaa atctttcatt gaaataaatc 360
 aatgagaac 370

<210> 433
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 433
 ggcagagctc ctggaaacca gcatgaaata ctggagtcgt taatttcctc atatgaacca 60
 gaaacaatth tactgctagg aaatatgact gtattataca caggcaatat aaaatcacia 120
 ccacaagcac atatgggc 138

<210> 434
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 434
 ttttgaagac tgggaagtcc aagatcaagg tgctggcaga ttcagtgtct gatttcctctg 60
 gtctcatctg tccttgccgc caagatggat tatctgcagg aacttgagcc aacttcacgg 120
 aaccttcctt atgttctgtt catactgccc agacctgccc tggcttcctt gttgctcctg 180
 aggcagaaga ggcctttgga cttactcggc cccacatctg tacagtccag agatgctggg 240
 ggaattaaca ccacaaaagg ttgacttttag atcaatgtga gacaagtatt tcaactatga 300
 ttgtgtatth gtcagtgcct ctttgtaatt ctgtgagttt tttccttcat ttatttgata 360
 acatactgta taataatgca catttttaat tctc 394

<210> 435
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 435
 gaacatgtct ggcctgattt gaagctgcta catctgcttt gaaagaagcc acataacctt 60
 tgctgctact tcatttcaaa ttttcctttg aattttctat ttcctgagct gggagaaatg 120
 agaggatgca ccctctccct ttctaacagg cccttctcac ttgctctgat gagtctggct 180
 ctcaagtgag ctgccctgat ggagaggccc gcatgtccag aatgaagcat accttctgcc 240
 aacagccatc aaggaaactga atccttccta caaccacgtg ggcaacattc gaaggaaatc 300
 cccccatagc caagctttga gatgactaca gccccagtg acacctccat tgcagtthta 360

```
taaaagacct gagacagagg acccagctaa gccatgggct agccaggatt tcctgaccta 420
taataactgt gaaatagaat aataaatgtt gttgttgtaa gtc 463
```

<210> 436

<211> 450

<212> DNA

<213> Homo sapiens

<400> 436

```
gcagcacata tttcccatag aaatgtggaa tgtaagaaag gcacataaag caatccaagt 60
tgccctgcaga tatccacagc ctacttcagt ctcagtaatg ctcttttaac ctggctatat 120
ggagagttga cagaaaatac aggatcatca atcaatgata cagtaaatac agaattcctc 180
acagatgatg aatgttgtcc ttcagcttct gtgggtcactt ccacctttaa ctaaagttgg 240
agttggaaga aaggcaatgt gactccaaac ttcacagtac ctccatctta gacaaacacg 300
actctctcct tcacctgcgt gccagctgag ggagttctgt tccattgctg tctccgggga 360
ctctgtcagt atatttgatg taatacttgt ttctgtccat aaaacatgtg atgatgagaa 420
gatcgcagtg cagatccaaa atcatatgct 450
```

<210> 437

<211> 415

<212> DNA

<213> Homo sapiens

<400> 437

```
aaatctatgc gaaaacaata cacagttctg gccaaaagaa gttaaaacaa atgtgaaaaa 60
taagcgacat ccagaaactt cagcagctcc cttctgtcct atgcctcaag gtaccagaga 120
gggaaaaagg cccccaggag aggctgtgag gaaacctgaa ctgcaaacc accacgatgt 180
cttctggaag aaggcaagtt ggtaaagaaa gatgtgaact ctatttcagg gtagtatgtt 240
tttttcattt gcttccaaga ctttgatgga atgacttgag aggaaaagtt cacaattact 300
agaaagaacc taaaaggaca tgagagatga aaccggttgca gtatttttga aataaatgtt 360
ttcctgcaag agcagagtca aaaaaaaaaa gggccggggg ggccatttca gttgg 415
```

<210> 438

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(471)

<223> n = A,T,C or G

<400> 438

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ggcctctgaa tttttgcatg gctcatatca tcctagggaa aaacaagata tttcctagct 60
tccccttgatg ctggatatgt atgggcaact gagtactgac caacagaatg tgaaggaaag 120
tgacaagcac gcctcccagg actcatctta aaagagagag gacaaacgcc tatttcctgc 180
tcccctactc aatccctctg cccggaacaa gaagatactg agctttcttg gaccctgtgg 240
atgagaaatg aacaaaaata catactaata gagtttaaaa tcacagggtc catcttctaa 300
tgagcctatg tttatttgcc taagtagcat aacagtaatt gttccagaat gcaaaaatgt 360
acgagatgta ctctggaaat ggaaaaatac ttttcttcaa ttcaatgaac agattctgaa 420
ttttaaaciaa cccaatantt ttttaaaagt aacacaccta gcaaagaata a 471
```

<210> 439

<211> 647

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(647)

<223> n = A,T,C or G

<400> 439

caccagtggc	tctgacagtt	ctctctcaga	tggctcttct	gttcacctag	caaacatagc	60
agatgagaat	aagaagccag	gctttacagt	atcatgctct	ccaaagagaa	ccataaactc	120
cagccaagag	ccagctccag	gtatgaagcc	aaactggcct	aggagcagat	atcctgccac	180
aaagagaggc	tgtgctgcc	tggcggcata	cccatccttg	cacatataca	cataccgta	240
ggtgagcctg	ggctgtgcc	cacaagcact	tcatcggggg	ttttgagatt	agacacattt	300
tataatgggg	gagatgtatg	actgggaact	gcatttactt	gtggtatact	gtgttgtgca	360
ctcatgcact	gaccttacac	tttgtactta	cactgtgggc	atgtggncaa	gatgcatacc	420
tcatgaattc	aactatTTTT	tcataaaatg	aaatTTTatt	atgatgtgna	aaaatgcttt	480
atcacaaaact	gaagtgtggg	ctcatggggc	actTTtatggn	agcacagata	tacctcattt	540
taaccaatag	atattctctc	taaaattatg	ngcaaataca	TTTTTTaaaa	atcaaaatct	600
atgttaaaca	cattttggca	ggggggctat	aataaaaaaa	aagtggg		647

<210> 440
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 440						
aaaatctcca	tggcagcaag	ctcagctgat	tggatggggag	aggaaatttg	aggctggggag	60
acctcctaga	ccacagctgt	aatcttccaa	gaggaaagg	acttacagaa	ttgccaaact	120
actgtgaaga	caagactaaa	cagtaacaaa	catctacatt	tgtattatta	ctgtaatagc	180
tgagttgctt	gctgggtgaa	aagtaaggga	caacaatagt	ttgttccaat	aaagatgac	240
taactgcc						248

<210> 441
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 441						
ggtgactgct	catccattag	cagcagatgt	ctctcgagta	gctgaaccac	accaagctgg	60
acctgggact	tgaggagccc	ccttcaacct	ctgccaggac	gcacgctgga	ttagcatctg	120
ctagggctgc	cgtaagaaag	tacaaaaaaa	taagtggctt	aaacaataaa	atattgtctc	180
acagttaaaa	ac					192

<210> 442
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 442						
tgcctaagac	cagacctcga	gaagcagggc	taatgaatga	acgggttccc	caaccttggg	60
tgaagtgatc	agaggagtag	cagaacagag	caaggaagcc	agtgtgacag	agaaatgaag	120
agatcaatgc	cacaaaatta	aagagaacac	gggggtcgct	cattccaaat	ccccaccag	180
gaagccccta	tcaggagggg	aggaggagct	cctaggaact	gaacttggac	gcaggccact	240
tcagctagag	aacatttctg	aggaacacca	gacctcgtct	ccttccggga	gcgggatcca	300
acacctggcc	agacatatcg	gtgctgaaca	aaagtgcact	gggggatgat	tttaaatttc	360
ttctttatt						369

<210> 443
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (442)
 <223> n = A,T,C or G

<400> 443						
atgaggaaac	tgagacttca	aggggtccaa	tatcttagtg	ttcttgagcc	aaaggtgctg	60
agtgaaggag	acatgggtccc	tgcccttgag	gagctggcag	tctttctggg	gggacagatg	120
gtgagcagga	gcagtgactg	ccactatgca	tgggttaactg	agctggagga	ccctgtgctt	180

```

ccccgcacctc acagggcgag cagcctctca ggaacccctt ccgaggcttc cacctgtggg 240
catgctgctt tctcatcact gctgctgctg acctttctcc ccagcaacta ccaaaagccc 300
ttttatccac agtctaaaca acccagaaaa ataanggacc ccccccanaag gaggatgaag 360
agcagtctgt actcaatttt atgatcagta aataataaga agacaagctc ctgctgggca 420
cttagttcaa cagcagctcc tc 442

```

```

<210> 444
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

```

```

<400> 444
gcccccgggg ggggncggna nttntggcct taaangnggg gggngcnccc ccttncnccc 60
ttgggaaagg gggggaaacn cccccctttt gggggggnag aaaaaagggg ggggggggcn 120
tngggaaaag cccctttccc tttttttttt ttnnttagga aantttttaa tnggggggaa 180
aanggccngg aaaaaaaang naccnttccc ccaaancccc aangaaaang aaaaaanttt 240
ttgggaaaaa aaatgggaaa ngccccctta ggggaggaaa aatttttaaga aaangaacca 300
accggaantt antttttgca ttggaaggga caccggggaa gaagacccaa gccntggcct 360
taaaaaaaga acctggtggc tttttggcan tttgccaggc aaaaaccaag cccattggc 420
ctggatggaa atttttggac ctggggccct caagaaactt tcaagccacc gccaccaagg 480
ggaacttctt ttttcaccaa gtggggggcac ctttggncca aattaaaaaa taagccttgg 540
cttgggttat tggcattctt cttggacctt ttttcttttt acaccttctt tcntggggng 600
gggggaaagg gtaaatttca cccccctttt aagccaaacc ttttncccat ttcaaacc 658

```

```

<210> 445
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<400> 445
gtgacgtacc cacaagaaaa gagctcttat gctctcctct cttcgggatt gctgatatgg 60
tcattgatat tgtggatttt acaaattgaa gatttgtgga aactctgcat tgactctagg 120
ttccacctca tcattttaca gaagagacag acatgcaatt aagatgacct gcctggagcc 180
cacaatatta gatcatttcc tcatatagta tgaatttgac aaagttcaca gaaaatggaa 240
catactcaca gggtgccatc aaaacaaaaa ggctggctca gaatcaggctc aggagatctc 300
cttgtgagcc catgccacca gagtcttggg tccgacacag agctgtatgg agtcttgacg 360
aagtggctgc tcttggcatg cacaaagacc caagagcttt gcatactctg acccgggaga 420
tccccaatga atgtgtctgc actcaagcaa gaca 454

```

```

<210> 446
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

```

```

<400> 446
aagaatctac cataaaacca acagactcct cctgatctct acctgtgctg tctgcctctc 60
tagttccgga cactgagagc tggtgccctg tggccacctc aagctggaac cctgcaagat 120
caccaagaag actgcatgcc tcgctctagc cttcctaagg gaaagtagac tcctgttttt 180
gaaagaaatt acctgatttc aagagaaaca taaaggactt tttttccctt aacattccac 240
tcgtaaaaaa gaagtttgga agaacttctg caaactctga gtgttttggt caattgacct 300
tttactgtac taagcaaatc tgaagccaca aatacattgg ggaggaaggat atacccttca 360
caaaagatcc gtcacttagc cagatctctg ntgcattgct ctttaataaa aagccatttc 420
tgggatattt tattttattt tttt 444

```

<210> 447
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 447
 tcaggggtgg ccatgtgacc aggtgctggc acacaggaca ggagagtata caatgtgatg 60
 accccacaag ccaccaaaca agccctgaac cagccaccag gaggactgaa aaagctgaag 120
 tcaactataat ctgggatctc ctgtttcagc agcttagtct gtatcctcat caatacagtg 180
 tatctaagaa acttaaaaac ctgtgcttta ctctccatag gctaagaatc atccagatag 240
 ttgtgttact tttttttttt agcacattac at 272

<210> 448
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 448
 ctccactttc cagcctccct tgaccttcag ttggagccat ttgactggag tatgaccaat 60
 ggagtatata tagaggtgct gctgactgga cacatgacca gatgcacccat ctcttttccc 120
 cttctgtggc aaccacagag gccgcacatt acagagcata acatgaagga agcacagaag 180
 cctgagtcgc tgcttgaagg agaaactccc agggggccaa ataaccagaa aattctacct 240
 tggattttgc ttaaataaga aataaatctt tattgtgtta atccactg 288

<210> 449
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(481)
 <223> n = A,T,C or G

<400> 449
 gagtctctgc attangttgg acaagctctt ctggaattat cttctaagtc aactgtgggt 60
 tgggtaggng gctctgctga tttttcgtg gacttccaca tttgggacga agttggctgt 120
 catcaactct agaaaggggt nggccgnntt acattggctg gtttccaca ttctcaagca 180
 atagagatgc ggnttcccca tgttgcccg gctggntctt gaaancctgc ctcaggngan 240
 ttcacctacc tnanccttcc cgacgtactg gggtttacag gcatganccc cccgtncctg 300
 cccaaggang ggctcttgag anaatttcat tttcttgccc ctgctgaang aangnctacg 360
 nttnatntaa agggcctgct tgtgggaaaa ccacccccca aaagtgtgct nnaacaanaa 420
 aaaacctttt tngnangtca ncaanaaaaa ctttncncct tttgnatngg gggctttttg 480
 g 481

<210> 450
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

<400> 450
 cagggaagaa ccagttgggg gctggggaaa ccagtgtttt ctggagaaaag agaaacagct 60
 gcttaagcac gagtgtctga aggaagtcct gttccctact gccaacccac gaggcatgac 120
 cacagtccag tcgcaggagc tgctataaca agatgacaag gaggcaagac tgattcacta 180
 ctgattaatg cctggtgatc ttcaacaatg ggccattcca acaaatgcaa gaanggaaaa 240
 atcactagcc aataacatgg ggatcctatc ctataaacag aaaggaatcc catggaaaga 300
 attctaattt tatctattta agcaactatt gggtactcat gcaggttcag aaacagaggg 360
 gactatgagt caataaatga tgtaaagggt tatcacc 397

<210> 451
 <211> 432
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

<400> 451
 gacacagtga gctcaagaaa ccaccaaaca canagcanaa acaaggattn gaggcacagt 60
 nccacacttt ctagctatga gagcttggcc aagctactta attctccagc cttatatattt 120
 ctcggctaata aatatatggg gcaagtcttg tgaagatgca atgagataat ggatgggaaa 180
 gccctttgtg aagtgtaaag caacacacaa atgcagaaat aacaactaac agaaggctcc 240
 caactggagg atcatgtgga aaaatggaag aactgagact atcttctggc catgaacaga 300
 aggagaaaaag gatgctgagg acacacttca aaatctgcat atcctctggt tcctctgctt 360
 ctctaaaaat tgcaggaata ggtgaaattg agcctgtctg ttttctgtaa ttagtacttc 420
 atttttgttt tg 432

<210> 452
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 452
 agatatgaag tgagcctggc tctcactaa accacctccg ggcacatgac gcatcccagg 60
 acaccccatg aagagggggc agggcagagc tgggtggggga ctttgatttt ttaatcttcc 120
 agcactgaca agccatcaag tgcccaggat aacagcacct aaacccaagg ccagaagatg 180
 ccatttgcct gatcaactaa aagtagatgg aaagcccaga cttagcctga ctccattcat 240
 tggctactca tggctttcct tccaagactg acaaattgag gaggttcaac ttatatgatt 300
 tcctaataca attaaaaatca ctcgagggag agtcctcaaa aaaaaaaagg nccnnggggc 360
 ccanttannt tgggattaan cagggngaaa ttgttnaaaa gggggggggc ccccca 416

<210> 453
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 453
 gcacaggtgg catgctctgg cggcaaggtg ctctacaagg cctggcaata aggaagggtc 60
 cagttactcg catccagtgg tctagagcat gtttgattag gcaactttta gcagtcgtcc 120
 tcagctgtgc atattaaaaat ggctcctt 148

<210> 454
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 454
 tctagtcatt gcctcaacac cagtcattcc tactcccacc cagacaacat catctccact 60
 cccaagcccg aaatgctccc tgccatgcct tcgaggtgga ggtctgggaa gaagactcta 120
 agaagagaga aaagggcacc agtatggaga ccctagaata taaaaagcag acttagcctg 180

tctaacctgt	tccttgactt	ggccatgata	ccaggaatgg	aggaaggata	ttccttttct	240
tcctcctcct	ggagaggcat	cagagcatgg	gccctggctc	tggtactccc	tggtctggga	300
agttacttac	ctactccgtg	tctcaagttt	tacttatctc	taaaaggggt	agagtaacag	360
cactcactgg	agtggagtgn	gggtatgcct	cccagcctct	ccttcagaac	taggttactt	420
attccctcac	tgcaaggagt	ggtagctgcg	gactgct			457

<210> 455
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 455	
cactttggga	ggccaaagca agaggattgc ttgagcccag gagtttgaga ccagactgga 60
caacatagta	aacctcatcc ctac 84

<210> 456
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(462)
 <223> n = A,T,C or G

<400> 456	
ggaataagac	atggacacct ttgagaggcc atttttctgc tcaccacaag gccccaagga 60
aatggaagag	gatgctaata gagggaccca ctggcaccga ctgagttggt atgaagagta 120
ttttaaactg	aaacatttaa gacacagcag atacagaaaag aagcctttct ggagcttccc 180
ttatttgact	aaagccagag ctttcagaga gngaagctgc cataaattcc ctcttgggga 240
gcttcactgc	cagtaaggag actttactgc caggaaggag accacttgca cctgaatgac 300
gaattgcata	accgaacata atcacaaatt gtcgtaccat catttgtttc cctaaaagcc 360
catttgtctt	tccacaaaag gatatttgct tccccataga accctttctc tcctcctccc 420
ttttcccata	ttattggcat ataaattctt catccctaac tg 462

<210> 457
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 457	
aacagnatt	cttcagtggg ggtctgaaga ccacgggtgt tccttgagga gccaatgagg 60
gaactgaaat	ctgtgagctt taaaccgctt gcttgaagac acggctgaca tttgtggctg 120
aatcctaata	tagttaattt tcctttcaat gggtaactt gcaactgtta ggagtcttcg 180
aaaccttttg	tgtgaatcca ggagggaaaa ttgtctggca aagtctgata agcatcgtgt 240
caagagcaca	tttgactctt ggatgggagg tgaaggggaag agcagcatca tctgtgcagc 300
ctggtgaaac	ggtgtttacg acaggctaca ccgggcacta ctgggggatg ctgnctcctt 360
ggattgngtc	atatttttaa cccagtggga aattcatagg atcctcttga ctctgtaaaa 420
actgtgggac	aattcagtc 439

<210> 458
 <211> 660
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(660)

<223> n = A,T,C or G

<400> 458

```
agacctgggc ctgcaagagg aagagaatcg cctgaggaca caggagcggg gacgggagcc 60
aggctttgag tcagtcctcc ctctcctggg caagccatgg atcatcctgc ccagcacttc 120
tcgtccttga cggctgagtt ctgaagggag gaaggcaaga cccaaagaga cagatggaca 180
ctcccgggat gacacagttc acagcaaggc caagatgcaa attaattctc taactctcat 240
tacaacagct tctacttttg cctctttctg gttctttcat tcactcaaca gacatttgca 300
gagttagctc atagtctctc ttaagtttta gatatttgaa gataagcgtt aaaagtccct 360
atgattgggg aaccacagc ttatgggaga ggcaagtatt agaggtgatt tactacaact 420
cgagggattt actgcaactc gagggattta ctacgcaaag tgctgggcat tccaaggagg 480
catggaagct ctctgaacac canggcagta actgctctgc ccaagagaat ggggtccact 540
cttgcacctt gaaggaccag ggatgaagaa agtggttcan atgaatttct gaattagtct 600
gactangctc ttgaacctgg cgcacaataa atgnagtaaa tattgatgcc ataaataaag 660
```

<210> 459

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(233)

<223> n = A,T,C or G

<400> 459

```
gtggaggact ttctatcatc tctaccaatt gatcaattca gaccaagtaa gcattgcttc 60
aaaggagagt tgggttgggg gtgcatcact ccttagctgg agatacagag aaatctatac 120
ctacaagatc ctcaaggtgt ccttggtgaa aacttcatcc aaggaactca agtactgctg 180
gatttgngtg actcatntta cgaacnaata caaaggccta ttaactattt aaa 233
```

<210> 460

<211> 628

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 460

```
ggaaaccagg aggaattcca gaatcaaaga gaaccgcatt cctctctacc acaaagtact 60
cacacttggc aaatggcaaa gatttgggtc atcatttttt aaacgacagc caagcattaa 120
agagcccagg cagagagcaa gtaaaagagt ctccgtgggt cctcccagcg ctagtctgtg 180
gcctcaacaa catagcacgt tgcaggaaaa attccaaatt tctgggtccc aaggggaggc 240
attactcagc agtctcagcg gtgacggcgt cagcaggaca agagccattt gtcctgggag 300
gactttgatg tttctttaaa tggttnctgc atctagtcca atagaatgga tacggaatta 360
tctttattac aaccacaagg atgtgcaaat ttattttacag tataaatggt tctttccaca 420
agtcctagct gtcaacaact ctttattttc ctggagtgac ttacaagcca agaatgnttt 480
gtttcttaag cttcctacct anagaggtaa aataacaatc ttggtaatga gaagacaaag 540
aagctaactg ttctgctttg caagcgttcc tacagaccgn acctttttaat tgcctagtgc 600
tggcaactta acatactgta atgagacc 628
```

<210> 461

<211> 317

<212> DNA

<213> Homo sapiens

<400> 461

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gactgaggct aaggaaggcc ttgtactggt tttagagccc tggacggagc tccaggtgac 60
atgggccttc ctggttctac caccgacctg ctggggggtt cagcaagcct tcaccttcca 120
```

cgttggcggtt	ctcagctcta	agaaaaggaa	gttgattttcc	atgagaggtg	atcaaaactgt	180
gctgtagaag	cctcagcgat	tccacagaac	attagagtag	ctctgccaaag	cagaattctc	240
cacatggaga	aacctcccct	cttactgatt	ttatatgccca	tgcattgtcaa	cgctctgggg	300
aagatttttt	gcttgag					317

<210> 462
 <211> 308
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 462						
aacatataca	tttcggtttc	aacatagcgg	cagccagagc	ggtcctctta	aagtgggaagt	60
gatatctctg	ttctctcctg	cttaaaacct	tcagatctcc	ctatctccct	aaaagcaaca	120
accaaagtcc	ttccaggggc	tacatgaaca	cctgcattcg	ctggagtctg	ctatgactca	180
gccctcaatg	cctacaatac	tcattgcatta	agaacatatt	gagtgggtat	ggaaagtctc	240
taaatcntct	ggtcacgcct	ttagcaaaaca	cgtctcaata	tattctactt	ctacagatga	300
gtaacttc						308

<210> 463
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = A,T,C or G

<400> 463						
gtgagcaaac	aggtttccag	gcattcgcat	tccacgattt	gccaaggcca	acaatacact	60
gttcaaccca	acagttgttt	tccactgaaa	tatacaaacg	attgaggaca	ttgacaacat	120
agtgcctttc	tagaaagatg	gccatgacat	cgctgtgatc	actgcttaca	ttccacgcta	180
cctgatttgc	atcatgtaga	tgctcgtgct	gtgacattga	tagcctgtga	ctccccagcc	240
ttgtgaatca	tgtcagcgca	cataatgtgc	atgaatgaaa	tggagtgttt	ttaggatggg	300
atgccactaa	aatcatcctg	ggttaatcct	gtcatctggc	ggnttccagt	gtctggacat	360
ntggatgaat	gatctgcttg	agagcccncc	aaatantagt	gggaggcagg	ggatcagctt	420
tttttcacac	cctcttgagc	tgctgtaccg	ngcttattct	tctc		464

<210> 464
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 464						
ctttgaaaat	ctaccattcg	gcccttttag	tctttccggc	tgatcttttc	catccacaaa	60
cagatgtttg	tcactggatt	cagcacttcc	atcaaaaatcc	ccaaaagcct	ttatgcttag	120
aaatgaacag	acatcaaaaa	ggcagcaact	gtcctcttta	ctgccatttc	ctcttctagg	180
gcctgtgaca	tgacaaggat	aatgcaggag	ggt			213

<210> 465
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 465						
aagccagagg	agagggaaga	ggttacctcc	acatctctca	agggctggga	aattccagaa	60
aggtgtctca	gggaatgggc	agccacagga	ctcagacccc	agaaagtgcc	tcgaaccccc	120
ccagcaccaa	gagagtgtgt	gaaccagtgg	ccccgctctg	tccacacttg	gaatgtctgc	180

ttaaggaaag	atgtttctgg	cttccagtct	tccacatcct	gcaggtcaaa	acagcttcca	240
tggggaagac	atggcctggg	acggtgccaa	tgggagatgt	atttcttga	cttgctgaga	300
aaggctccat	cccactgatg	gatgttggct	gtgctggcag	ctccgcataa	tggaacactt	360
cgcttgattt	ataaaggacc	caacttgtc				389

<210> 466
 <211> 582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

<400> 466						
taacctcata	ggtgctgggt	tgttctttat	caacttggtc	aagctgagga	ttgtcccca	60
aatcccaaca	tttcgtggct	ctgaattaga	aatggccaaa	gagacatcta	cctgtgtgtg	120
acctggaagg	tacaggtgaa	gcaggacaac	tgtttctgaa	gctctttaca	cagtggatca	180
cagactaaca	aggaggtgtc	agatgggtga	gcagttcagg	atgagaccat	ttcttcttct	240
tacctacttc	atcattcacg	ctcatctcaa	tgttggctat	aaggtaaagg	gaagcacgcc	300
tcaagtgatc	atgcaaacaa	ctccagtga	gacactgcgc	atgctctctt	ccaagtgcgg	360
gcaggcagct	gtgcatgtgg	gcagcccacc	ccaaaggaag	aagaatcagg	aaaggagggg	420
cgcaagactt	cggacgtatg	ccaacgcata	aaaccccaaa	gtcaaaaagct	caaaccacac	480
atctgtcctt	caagatgcct	actttggccc	ctttcaagaa	gtaatttact	ttcgttcatt	540
nctgctctaa	agctttttaa	taaatggtca	cttcttgctc	tt		582

<210> 467
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 467						
gtgcagccga	gtctcctggc	ggagttttaa	gagcatggat	tctggcacca	ggatacattg	60
gtcacatctt	gactgctgct	tacaagctgt	gtgctgccgg	acaagtctct	cgacctgtct	120
gtgccttggg	ttcctcgctg	gtgaaacagg	ggatgggtat	atcttctcac	gggattgtca	180
tgagaatcaa	cacattccca	gggtggactg	ggaagagggt	ccgagactag	tgggccctgg	240
agcaggtgtc	acacgtgcga	ggagctccag	ccctcaggaa	tagtttggag	ccacgtggta	300
ggcaggaaat	gattcgttga	ataaatggat	taaagggtgc	ac		342

<210> 468
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 468						
tcaacatgcc	cgagtgtgtg	gaacgttatg	agagggcctt	gttgggaaca	ctgtctcctg	60
ggaatcagcc	cttccctctg	tcctgttccc	actcctcccc	gacgatgctc	ctgctcagaa	120
cccactcctc	acctcagtga	agcaacgcag	cgggcaccct	gtggacaaa	ctggatattg	180
gctctgaata	aaagcgaatc	atgggg				206

<210> 469
 <211> 926
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(926)
 <223> n = A,T,C or G

<400> 469						
tcaagaaact	ggagnncann	gccgtcnnac	tanncnctng	cannгнасnt	tgcntnnac	60

aggaaacgga	ccnggattat	attanaacta	ttcaatagca	agacactgca	cacccaatgc	120
gagaatangn	cgctcaattg	ggagacgaaa	aagagtgtga	aattangcaa	tcggcgaaga	180
gtctacatca	ntggacacng	cttntgagag	nnnggggnana	aagggcctta	tttccgggct	240
tattggacct	ngngagcaac	aaaaacaaag	aacaaaattc	cgggntngct	cttggatgcc	300
ccccntngta	tcccngngcgt	tgatcatcgca	aagngggccg	ccccgggttc	ttttttgtca	360
aagaccngaa	ccttgtcccc	gtgcccttga	aatgaaactg	caagcggacg	aagggccaag	420
cgcnggctta	tccgtggctt	gggccaccga	cgggggccgt	tccttggcgc	caacttgtgc	480
tcagacgttt	ggtcacttga	anccggggga	aaggggggact	tgggcttgct	tattggggcc	540
gaaagngccg	ggnggccaag	gaatctcctg	gtcattcttc	aacctttgct	ccttgcccga	600
agaaaagtat	tnccatcatt	gggcttgatg	ccaaatgccg	ggcgggnttg	cattaccgcc	660
ttggatcccc	ggcttacctt	gcccatttgc	aacccaccca	agccgaaaac	antcgtcatt	720
tgaagccgaa	gccacgtaac	ctttnngattn	gnaaacccgg	ttcnttgggc	cgaatcaang	780
gaatgaatct	ttggacccaa	aaaaagcatt	caanggggct	ttgccgccca	aaccggnaa	840
ccttggttcnc	ccaagggtt	cnaaangggc	gccncattgn	ccccaaacgg	ggnaaaggaa	900
ttntcccncc	nnnggacccc	attggg				926

<210> 470

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(348)

<223> n = A,T,C or G

<400> 470

agaactgaga	tcccatatga	agaagccaaa	ccatactgct	agagacacac	ggctcagcca	60
acaagtcatc	agtcagtctc	aaacangact	tttgagtga	gctgtcttaa	aatatcaatc	120
cccaggacac	tcaccaaca	agatgcagaa	tggagcaag	cgaatgaacc	tagcccatat	180
tgctaaccga	gagaatcatg	aagaagtaac	atagttgttt	taggtcactg	attttcatag	240
tagttgggtat	tgcaacaatg	cgtaactaat	acagcatatt	attactaaat	gtttaaattg	300
tacttaata	taagccaaaa	taaatgggtt	aatccaaaaa	aaaggcca		348

<210> 471

<211> 406

<212> DNA

<213> Homo sapiens

<400> 471

caactcctcc	atctttcatg	aaaacatcaa	gaggcacagg	acgaagatca	atggagtcgt	60
aagaagattt	tggatttgtg	tgtgtggcct	ctgacaaaac	tgtttccttt	gtttctgata	120
ctccttgaaa	cctcgcagtt	caaaacctac	ttttttgggt	taagatcaag	aaacggaggc	180
aaagagagat	taaagagctt	gcccaatttt	agaaagctag	tgagtgggac	agctaagaat	240
tcactgcaca	cccgacctg	gaactgatgc	tcttatcact	tcaactcttc	gccttcccat	300
gatgaggcag	gtacatccgg	ggcagtattg	ctgtctaggc	tgttgttaca	ttatggtgaa	360
agactaattc	caacatgaag	aataaatcaa	aaatttatta	attatg		406

<210> 472

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(459)

<223> n = A,T,C or G

<400> 472

tcaccttggg	ttcagaagct	atttctgtaa	gctgcatcag	ctggacttgg	accatatggc	60
ggaggcagca	tctacatttg	atgattcaat	tgaccggcg	gatgactaga	tcgttttaaa	120
agccctttgc	gttctcgcag	gtcgtttgtc	tatatcagat	gcaaaaaggaa	gcgctgtagc	180
cacctcaa	cgccctggaa	tgctctctca	aatgggctgg	actccgtgat	ttgtcaaggaa	240

aaattggaca	ttacctggtg	aagttcttcc	taaacccatgg	gccagatgt	ctgcttgaca	300
gatgtccctt	atgcttggtt	caattttaaag	agtgtgggtta	aaagactttg	gcatgattta	360
ttttttantt	tggcgtattt	ggtggaagtg	ggaagggaag	gggccagaaa	attatntngg	420
caatttaaaa	accgtaacag	attttgcttg	gcctctggg			459

<210> 473
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

ccaggcactg	agaagtgtac	agaaagactc	caactgcccg	agattcccag	agaagcagaa	60
cacacagagc	cacgacgaga	actcaggatg	gaataaaactt	ccagggtccat	gtgagcttcc	120
aggaccacagc	ccacatctgc	caaccacccg	tgtcctctgc	ttcatgttta	ccctgcatcc	180
ttttcactga	tgccttcaaa	tatccgtgtg	tgcacgggaa	cagtgggttat	gctgccaatt	240
taaagaacca	aggcttcaga	ggaaaggaaa	ctcatgcgtg	ccccaccac	cgactccccg	300
gttcctgctg	gttatttgta	aaagttattc	acaggaggaa	gagaaagagc	cttcgtgngn	360
gattccctgg	ttacattacg	gggggggtgg	aaccaagggtt	ctctgggcag	cttcctccac	420
catctgttcg	cactg					435

<210> 474
 <211> 238
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(238)
 <223> n = A,T,C or G

tgccagggtgc	accttgaaca	atgattatga	ctgtgactgg	agtacttcaa	catccctatc	60
actgacttca	agaagccctg	catcttcaca	agatctacaa	tttcattttg	caaagtattc	120
ccatgtattt	gtctgcactg	caggattttg	gacaattttac	cttttttctc	tctgccctcc	180
atttctctca	cctataaaaac	tgtgacnata	actgtattat	taaaatgttt	aaatcggc	238

<210> 475
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

tggttaagtga	ccaacttgaa	tgccagcact	tgatgagtgg	agggaaagta	accgggagtg	60
attccaacaa	gatggcacac	caccccttta	caccacattg	gtgaagaaaag	ctggatgaag	120
atttccaaaag	aaagcggccc	tgggtgggagt	gggcttttcag	gcttttgcaa	gaatctggaa	180
ttcccttgat	agcttcttct	ggagtgcact	taaaacacan	atttattccg	ngaaaatcaa	240
ncagcatcac	anatgcncat	gcagggactg	acagaaatgc	tgcattcatg	taccacattc	300
acggaaattt	tgcactattt	attgctcatg	agggccgaca	tcaatcatgt	gatagcaaga	360
aatcatttgn	tcatggtaga	atcccctagt	tggcaaaaagt	tgggggttat	cttatcattt	420
gacacagggga	agccccatat	attctga				447

<210> 476
 <211> 452

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 476
gtgcctagag tcctagagag ctagagatgg agggaaattc agatcatcta aacccttcag 60
cccttcactg gacagaagag gaaactgagg ctccatctgc atgacgttcc cagagtcacg 120
gcacaaattc atggaagaag cagcaggaaa ctcagttctc cagtctgggt ccaatgtgtg 180
ttttagaaat atctccacag ggttaatgac tcaatttttc atgcatgatt gctagtaatg 240
acaatcatgt tatgtttgtt tctgtagctt tggaaatcac tccttccact tgagtttcag 300
gtcccaactg tcacacctgc aggagtgang gtttgcntga aactggataa ggctccatt 360
ttgnnggagt tgaattgtct cttgtagcct aaaatctana tttttttccc tcctctgctc 420
tcagngaacg gagaattcca tctcggtaca ta 452

<210> 477
<211> 190
<212> DNA
<213> Homo sapiens

<400> 477
agaattggca ccaagcaaga gcaaggaacc agacatcagt tacggaaaat gtatccccac 60
atcacatcat gggagcctag ctcacagaca ctgccaatgg aaattgcaga aatagatcaa 120
ctgcaaaaagg ttacataggg gaccgcgatg ctacattaac tctctgtgaa taaattacat 180
gtaaaatttg 190

<210> 478
<211> 54
<212> DNA
<213> Homo sapiens

<400> 478
gttgcccttca gaccctgaaa gagattttca ggagaaaattt cagtattcta tacc 54

<210> 479
<211> 300
<212> DNA
<213> Homo sapiens

<400> 479
atgttctgtt gactcacacg gaaatgtagt cactacactg ccattgggtca acttttcatg 60
gggacatttg ttaatccaat ggtgcttctg ctggagacat ggagatgaac ccactaggca 120
ctgagaagaa tgcagtgtct cttccctgca caggatttta acttaatatg tatgctggga 180
ctggcaagtg cccaagggac ccatctctac ccattggctg tcagccagag aacagcctgg 240
tcttgggagt gtagatgaat ccattggggt ttttagctcct aaataaaaag tttcattgtc 300

<210> 480
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 480
tccttcagaa aagcaatgca ttctactgct tccacgatgt aagagaaaag caaataaaaa 60
cattcccatt ggagagatta gaaaaccaag gaaagaaacg gaggtcttc atggctgata 120


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agcaccgccg ggccagtctc ctgacgtcca ggccctgctg aaacgagtct gttctcacgg 180
ctgctgggtca gggctcaaac gacagcacct tggatccgtt gtggagaaca aagagctaata 240
tgaaaacatc tgggctgagg ttttccaact ggcttctcat tttggcccgg tttccaagca 300
gtcaagctcc actgaaacat acactcccta atcgattgct gtctcaacaa caaaccaatg 360
gttgggttgg ttaagttact ancaccaggg aanaccctcc atgttctaag tggaatgttc 420
tgtcgcaaaag ctgccaagtg gaca 444

```

<210> 481

<211> 187

<212> DNA

<213> Homo sapiens

<400> 481

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cctcccaaaag caagtctctt ccctctggca gcagagaagc ggattttctg ctcaacctgc 60
tttgatcacc aaatgagtca gggagaagaa catggatgga aatattctca gtcaagaact 120
tcacaagcac cagttgcctt aaccaggggc tctagaaatt ttctagaata aatgctttctc 180
aatttgt 187

```

<210> 482

<211> 380

<212> DNA

<213> Homo sapiens

<400> 482

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actgatactg acagaaaaat catcacatgg accctgctct catgctgtct accattcaac 60
aggaaaaataa aatatgctgg actccacttg gaagaaaatg tgtttatgcc tttttaggaa 120
gtcgtgtggc agcccatag agagttggct ggggtctcagc ccagggccct gggccatttc 180
tgccaccag aactcaggga gacagtctgc caccctcatg aggggacacc caactgacag 240
ggtagctgca gcttccctga gcttcccagg tgctgcaag tattcccat ctctctagac 300
ctagccctt tactgcaga agcctgctta catttatctg aaaattttaa aagtttaata 360
ttaaattctat gatgtgtgtg 380

```

<210> 483

<211> 398

<212> DNA

<213> Homo sapiens

<400> 483

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acgtgagtca caatgaaaag tcatagttgg agattcctca tccggactgt agaaaagggtc 60
atgtccctaa ctccagaatg ccaatgataa aggcacacgt acaggcatgt tagaaagatg 120
gagaagtcag aggaagatgt gcacaaagtt aaatcgctct gccctttcta ctatcagatc 180
atcaccaaac actcgtggga tcacactgag aaggatcatc caagtcaaga gctgcagaag 240
aaatggtgca catattcaag agtctcacct ttagcctttc ctctacagca gaatcactat 300
gctacattaa tttccttctc atctgatgac ttcttgagag ctttttaatt tctgcacttc 360
ctatttctta cccaaggcat taaaccagct ggcagatt 398

```

<210> 484

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(425)

<223> n = A,T,C or G

<400> 484

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atgatgggag gcaatgagga tcaggaagat gaagtgtaat gtccaatccc cttgaacatg 60
gcaactctgg actccctgtc cagtgtctct tccactctac catgcactag ttaacttttt 120
atgactgcag tgcaaattct tatcaggaat cctccaaagg tacaaattat gtccttcaat 180
ctgttctcct ttgacatgcc cttctcctag tctgtgaagt ctgattggac tgggacctat 240
ctccccactg gaggaacctg tggggccatg agaaagtatt tttttctgaa aactcagttc 300
ntnntntgna aaananaaaa taangttaac tttaccaagt tgttgggagt accagncctc 360

```

aaccttttttg gccccaggga ccagttttgt aaaaaaaaaat ttttccacgg acccaggggtg 420
gggga 425

<210> 485

<211> 326

<212> DNA

<213> Homo sapiens

<400> 485

tgtttctga	atggaggatg	attcccactt	acggaattga	taattacaga	ttgaggagag	60
atgggatatg	gctaacacat	gcacaggctg	ctgtgactct	atgtggtccc	tgtggtccct	120
ctgttggtcg	tccaagactg	gagcatctta	ggaaatggct	cacctggagt	aactgattga	180
ggtccagtca	ggcatgtgag	gacacagtgt	ttgccccact	ggaggacgaa	ggaacaaggc	240
accatcttgg	aattggagac	cagagccctc	acaagacact	gagcctgatg	ttacctttat	300
cttggaacttc	acagcctcta	aaattg				326

<210> 486

<211> 226

<212> DNA

<213> Homo sapiens

<400> 486

gtgaatttgg	aaccatcttc	agaatcaggc	tgcctgctg	tctgtcaatg	tattgtaatt	60
gagacctgca	agggtctctc	tcacacctgg	gaacatcatg	gtgacattgc	atctgccacc	120
agctccagcc	tcaggaaggt	agcatgtgag	gacagggtgtg	gctagttatc	atcccgcgcg	180
ctgggttaagg	cataataaaa	atcagatgct	gttggcctcc	catcgg		226

<210> 487

<211> 199

<212> DNA

<213> Homo sapiens

<400> 487

gtcctggcct	ggcatggaga	tggtgagtgt	gccactgttt	tatcgagct	gagctggaaa	60
aaaaaatgct	gtgtatccag	cttccatcac	cttgaatagg	atatccgtga	taagcaaattg	120
aaacagaata	aacttgaata	cataaagcca	tgtagcattt	tctgatctcc	ctcaaaggag	180
tctactgaaa	tactgaagc					199

<210> 488

<211> 467

<212> DNA

<213> Homo sapiens

<400> 488

gtggaccaca	tttcccagcc	tccttgtgtt	ttggtgcacc	catgtgactg	tcttctaacc	60
aattttattc	gagtggaaaa	gatgtggcca	ctgcctcatc	tggtccacaa	aagccttcca	120
cgtggcccct	cctccttccc	tctgcagcca	cgcacacagg	atccaacgca	gaactgggtg	180
gcctgaggaa	aggatggagc	ctaagatgga	aagagtctgg	gtcctgaatc	cccttgtaga	240
agaccgcctg	cttaaacagg	cactgaaatg	ccccaggagc	aagaactgaa	acacctactg	300
tgttcagctg	ctgagattct	ggagttgcct	gaagtagcag	tcaacttgct	ttgcctattg	360
catatataca	tgctcatatt	taactccaat	tacttgattt	aacaacactc	tacaaaagat	420
gtttttgaca	tgctaagaaa	aaaagcaatg	accaaacaag	tacccca		467

<210> 489

<211> 401

<212> DNA

<213> Homo sapiens

<400> 489

gttcaaggaa	cacattgttc	cctcaaaaaa	cagaccggca	gctgagagag	gatggcaatc	60
ctgatggatg	agaaaaagaa	cagagctgtg	gacacctgag	agaagactat	aggacttcaa	120
acatcaaccc	atttcagttc	tgatgtcagc	aaggagagaa	ctggcaaact	gggccaaccg	180
tttgattgac	acatagaagg	ccaactgggt	aaaatcatta	ctcaaagact	gtatttccag	240

tgcactctcc	agttgtatct	ggtcagggca	tcatccaatg	ctgtggatga	agcttgctgt	300
catttagcaa	aatgtcatag	tgatcactga	ttgtttgcct	gtaatagtta	atagcaacct	360
ttctgtcaat	gctataatta	aaaaaattgg	tttttggggg	t		401

<210> 490
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = A,T,C or G

<400> 490						
atgatgtcag	aagtgggatc	caaagtagag	gttctaacga	ccccaagaa	cactgagtga	60
ccaaacaagg	tacctgctgg	actcacttgt	gtctgctgat	ctttcagggc	agctggggat	120
tgtgggcagt	tgcacaacct	ggaggctggc	atcatggggg	catttaggat	tgaatctgaa	180
ggagccgctg	tggtggaaat	gaaatccctg	cacaaaagaa	gctggggctg	aactatcata	240
ttctcctgga	agtagtgaac	cagcagctga	gccacacaaa	ggacatgttt	gacagataaa	300
gaacactgat	gccaaggtct	gaaataaatt	tttttagcatt	aacatctgtg	tctgtgcaaa	360
gctcttggtg	gctttcttca	tttgatgctt	tggatgggtc	tggtagaatc	tggtgacttc	420
actgnntacc	atgctaatat	ctggtttaag	cangctctgg	gtgacctgg		469

<210> 491
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 491						
gagctaagga	ctggctcaat	tgactataaa	gaatcgagaa	tgtcagctga	ccaggcaacc	60
aggagacgct	ttcctgactt	ccactatgca	cgtgggctgc	ataattgtgt	ctgtgaagta	120
atgaagaacg	tgcttgctct	gtaacatcca	aacgcgtggc	caccattcac	agatagtgtc	180
ctttgggaaa	ggtgtgggta	tagatgggga	atggtcagtc	ctatgaatat	ggggctataa	240
gacagcaagg	ctagaaagta	tctgtgcttt	cattttttta	ttttatctat	tttttttttt	300
tttt						304

<210> 492
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 492						
tcttaaaatt	atgggaggat	aaagcatcag	gttaaaagct	acaactggat	ttgcgtgcct	60
gagcagaaa	acagaagagg	cctgggaccc	aactagcatc	atactactgc	ttcatcagcc	120
ctagatgact	gcctacctcc	ctatacttcc	ttacaagaca	aaataaaactc	cgtatttgtt	180
t						181

<210> 493
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 493						
tttacattca	ggttggtgga	gaggaaagaa	gattgaagag	ttatcctcca	gcaattatta	60
gccatgataa	ggccatatct	tcaggaaga	caatgaagac	cagaaagtga	gatcctaagc	120
tgatgattcc	atgtagtaat	gagtcaaatt	aaatgatg			158

<210> 494
 <211> 53
 <212> DNA
 <213> Homo sapiens

<400> 494
tcccctacca gccctcacc caaccctcc cttttccct tttgcaggag aca 53

<210> 495
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (493)
<223> n = A,T,C or G

<400> 495
ctccggcagt aaactgtacc tcaaaactag aagaaaggaa gatttaacat gcaaccttcg 60
cttcaccatc tctcttcctt cccatgttcc agaagattct gcataatgaa aacactgtaa 120
tctctcaaga aatatctcat aaagagtgc tgagaaaatc ctttctcccc agagcttatt 180
tctctcgcat tttaattctg aatgaaggga tcataaaagc atatcaagat ccatgttgcc 240
ccacaaagga cattctgagg caacctgaat gccccccac ccacgtgaga tagcaagtga 300
tttttaaggg atggagtagg ctataaaagg gagtcactgg gagacaaaag gagtaaatgg 360
aagaagggaa aggaagggag aagaaaaagg cactgaggct ggcgtcacag tcttgatgg 420
aggcagagtg aatggtgcaa tgaaaagttc cagaagggtg aatcaganga cccatattta 480
aatcttgaat tcc 493

<210> 496
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (442)
<223> n = A,T,C or G

<400> 496
cttttgaggc agctatggct acttagttca aaatggaaga aaagctggat tgctgctatt 60
acaatccctc tatcctgtgc gaagaaagag ccttggaact tggaaaagaa atttaaagca 120
accacaagct acacaacccat cactatgaaa taaaccctt ttgtgtggca tgaaatcgct 180
cacagaaagg cttgctcttg ttctcttgat ttccaaatgc ataaagtaaa agtcacccca 240
ctgctaatagc taggtggtta ggcagctggt catcanaggt agtcgcaaag caaagtttta 300
atgtgaactc tgataagctg gactaatgtt ttttggggga angggtntgt tttgaaccac 360
ctggtntntaa aacagcttgt tgaaaancc tggggtaaac atattgaaat ggctgggggg 420
aaagaaaaat gaagcaaagc aa 442

<210> 497
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (546)
<223> n = A,T,C or G

<400> 497
gactctgggg agctnctgca ttaantctac cntnngnac ccatgtggaa tacctgtgca 60
tcagaatgga acagccagat ctgcacaaac aaccaaggac ttctcagggg cctctgctgt 120
aggagtctcc aagaaagaac aagctgaata ctcaactcag aatcagctga agacttgcac 180
aaagaaacaa gcttttgcat actcctgaca tccttctcct tctgaaacca gccagatgag 240
agcaacagct tttttagctt agttgccag gaggcagttt ctccagtgc gggtagagag 300
ggcagccaag tgaaaagatt atcgaccatg tgtgtgctga gttcagtgc gcaaaccaag 360
ctgaactgag acttgagacc tcagcatcca cccagagtct caatctagca atctgctaag 420
ggaggggtga atcctgtact cacangccca aacaatctgg caggcacant ctattttcca 480

```
cttctacgga acatgtggga gttngngttat taagcacggn gacagttcac acagaccgga 540
aagggtt 546
```

```
<210> 498
<211> 571
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G
```

```
<400> 498
ggttgggctt ccttnntttt aaaangcaag tancncncct ttnggttgtn ntngccnaag 60
ganggggaac cagaagccga natgggtcac tttangccag aanccccggg aaaactccgg 120
gggaatcttc cagctggctt tcctttgcaa ggggaatctt ggaaccccc atttggtgc 180
cacattggag gataataaaa gcttccacaa ctttcatttc aaggatgacn atgaaagcag 240
ggggcccaat tgtgaagtac tttttctgaa gtcccaagaa gtggacaact tgcacaagtg 300
gaaaggngga aacttcgtnc ggaaatcccc cttattgaaa ttttaaaaga accgnggacc 360
gtggaaaaagc caacanggtc aaggggagac tggcanttct tcctcgatgn ccnatggggg 420
gttaatcntt tganggttct tgacanccta tttcagnaaa aaaaaaatg ggaatctttt 480
gcnttcacaa tggtttttcc ttnttacacc cttaaatcct tccnccttta ngttcaaaaa 540
anttcacntt ttttanaata aaaaacttcc t 571
```

```
<210> 499
<211> 509
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G
```

```
<400> 499
ggggaaccct tgcagctgtt ccacctgaat agtggagaga ggtgtgtggc cagctgaaa 60
cctgaaacca taacgtaaga gcccaagga gactggaaac tctacagcca tgaactaaaa 120
gcagcgtgtg tcagccgcag aatcgataa cacaaccaa ccacaaatgt gcctgccgt 180
caggctttaa agttctacag tagagcagga cccactgtga cttactttgt gtgatggagt 240
caaaccacat ttttttctt ctttttctca tcagacttca caggaaatat accgtctttg 300
ntcagatttg agataaggga ccccttcacc ttgactcttc tttgcggcat gaactcacc 360
attaaggtgc tcactttcta tnctaagncc atatcatcag ccncttatat ttaatangca 420
tgggggggtg gaatggtcct aatgtaaang ggggaatcaa agctttatct attaaaaaca 480
tgggttgnaa gncagactgg gaagacaat 509
```

```
<210> 500
<211> 475
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G
```

```
<400> 500
cagaaactga gaatgagcca agtcagaagc ccaaagaacg cccaagccnt ttnacangaa 60
agacacagag gggtgacttc aaatgatcag tccaagagtt ttgcttgatga gaaggaacat 120
aggaaggtag ccaagtatga catggcttcc catagcccgg ctttagacac cccaacaccc 180
ctacacccac atctccacga acccacacac atcagaagag tatgcagctt cgctgggct 240
ccacccttga cagctgcctt tgtcctgggc tctggggacc tgccctcaag cctctaacac 300
agacctcang gccaggaggc cccaaaaagc tgatgccttt gggctactgg ctggtgncct 360
```

```

aaagggcatc acacacangg gtcaagtgc tttgtgttna aggcccttnt ggagtaaaaag 420
ccatcatctt ttntgcccc tncagtaatt tactaacaga gatggagggg accca 475

```

```

<210> 501
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

```

```

<400> 501
gccccctttcc aatactacag gagacttagg ttctaataga acaaatgatg tataagaagc 60
agcttgaaac ctcagaatgt aaccacaaaa ccacaacagc tagaagataa tggactctgt 120
tgaaacagca gagttccctg atccacctca cctgacgtgc gacaggggtg tggcttgtct 180
cttcggtcac tgccactgct caaaccctcg aggggaagggg gcgcacacag atggatgaat 240
gcaggagccc aagtggaaaag tggtctccgg gtcccagagga gacattccgt gtcataaaa 300
acaggaccaaa aaacagatga aattacttcg aaacaatcct tgaatgattt agtgtgtttc 360
ttgacaaaag gaaagaaaaa agtcatttgt tttccctgtc atgagcgcca gaaaggatta 420
acgtcatttt tgggcaatgg gagaaaaaaa tgccaaccat ttgnttacag tcatcgtcaa 480
aacccttggt tgccaanttc attttctaaa a 511

```

```

<210> 502
<211> 506
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(506)
<223> n = A,T,C or G

```

```

<400> 502
gagaagacac aagaatttgg agacagcaga ggatacagag agtcagccaa ataaactggc 60
tggatcacct gttccagtgc ttcccaccac catacagaac cttcataaat accactcaaa 120
gaaggctcac tatcaatact gttggtcctg ttctctgga ggagaatgtg tctctgtctg 180
ctaaggcttt ctttatctcg tcccactcta ctacagcctg cagaccacc caagactgag 240
ggtgctcaaa gctcagaagg caaaggactc cttgccactc aacagtatca agctcaacac 300
ctcagccaag aagaatcagg gagcacaggg acacactcac catgctgaac agacagcgag 360
gaccacattt ttattatctg attcctattt gaccatctga tgtgcaaatt ttacctatca 420
tggtgccttt gctccagatc taagtgaat cagatggaat ggaggcttca tctggtcntt 480
aaggaatctc aagttttact gatcta 506

```

```

<210> 503
<211> 499
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

```

```

<400> 503
ataagaaaat ggaggtcaca agctggagaa ctcccttgctc aagttgcata gctaataagg 60
gacttagctg ggattcctgg ccagcagtgt ggctccaggc ctggtttcta acttcccctt 120
cttggaacac accttcacag aggaatgcaa gagaagcccc ccaacctgcc ccatctccag 180
ctatgcacac agcctgcatc ccggatcact gccccatgct gacagaagcc tgtacccaaa 240
cactcttcac tgggtcctga gtctcttggt ctggaaggaa caacctagaa acctcgacgt 300
cactgttcac caacaaaaag tgaatctatt acaacgcaca tccctgcttt gctgttttta 360
tggcttgccct gtggaaaagca gggctctgtg aagcgcacta agaaaaagcc tgacagagat 420

```

```

cccagcgcacg nttcanatca gaggagaaaa atctgtccca accttatccg tttggangca 480
gggggggaagg ggtctttttg                                     499

```

<210> 504

<211> 471

<212> DNA

<213> Homo sapiens

<400> 504

```

tagcatgaca caattccttc aagacttccc agcctgcagg agggagtcgc tggctaaacc 60
tggatacagg ccgggatgct acaacttgct ggttgctcaa ctctagatgg tcaactgtcc 120
gttcccagag ctttggtttc ctcatgctgg cagatcatca ctgatgtcca ttccttccag 180
gtgtttagtt cgtaggccag tcctgagttg ttgagtgaga aagtaggaag agtacgcagt 240
gataacatga ggagcagaac agaagactct tttgtgtgac ctggaacca aaggtcatcat 300
gctggggcag agtgtggata ggaggcagaa gggactacat ttcatgagca cttattatat 360
ataagaaagt gttattggct gggcaccgtg gctcacgcct ataatccac acttttggaa 420
ggccgaaggc atgaaggatc acctgaggtc gagagttcga gacctcgaaa a 471

```

<210> 505

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(499)

<223> n = A,T,C or G

<400> 505

```

atgagaaaaac aagttaaagc ctagagagtt caagtcatca ttaagtggaa ttccctctga 60
gtgcacagtt ttcaacagac tgctgaatga gaggataaag gcattaagga ggaacagccg 120
agcttttatt gagcaggact gaaaggggtga attggagaga ggtgaagctc aagagcagga 180
ggtggaatga agttacagac actgagaaga aacctgtgaa ctccatagtg gaaagaccaa 240
aaggaaactc ttgataatgg aagacaagat gcagcctgtg tgtaagggga aggccagtag 300
gaagcagggga gaatgtaatt gttgggaaat cagtggagat ataccatagc attctctctc 360
cccacggcct gccagtgca ccaggcacac taatcagcaa tgttctcatt ctcgagggca 420
ggacctgctg ctgtgacaat tgaggctggg ggtganggca tgctgatgaa actgctgcca 480
tcccaaagc ctcgcttgt                                     499

```

<210> 506

<211> 335

<212> DNA

<213> Homo sapiens

<400> 506

```

gattcttctc acaactaata ttgatcttcc gaaggacaaa tgaatgagaa gcctcaatga 60
cagcaagaga aatacacaaa tgtctgcgac acaaaaaacac agcaggcaat gcgtgcctct 120
tccagacatc tctaaaagt cccaagt taaactgaaga agggctgcta gaaccaacgc 180
tcttcaccaa tctatttcta gttcactggc taaaaagtgg ctggagatac agtgaaggat 240
tttgacttaa caaaaatttg actcaggaaa ggaaatgtct ttttggtgta aacaggtaga 300
ctacaaaagg tattaaaaac actgttgcta cacag                                     335

```

<210> 507

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(375)

<223> n = A,T,C or G

<400> 507

```

catttgtccc tgactcccac ctagtggcct cttccagcac tgcacagggg caaagaacca 60
ccactgatgc cacctgagcc cggcccagga gccccttggg agctgagcgc agaaagaaag 120
cacggacaca cctactcctt tctcatctct cactcaagtt cacacctgtc acagggggagc 180
agcccatctt tctgatggac cacagatgct ccagtgccag aagatctgca gtcccagatg 240
agcagcagca gtacaagata catttcccac tatgtaatcc ctcccctctg ctaacagttg 300
attcactctg gggtagacac tggacctaag gtgtgcatcc atagcttgng aataaattaa 360
aaagctttaa tgtct                                     375

```

```

<210> 508
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

```

```

<400> 508
gacttgaacg aatttggaac tgttccagag ctcattgttc tcaccttggt gcataactta 60
ggtagtaggg caactccctt acccttgccct ggactcttac tatcaaagcc ctccattgat 120
aagggtctagg ccgaccacac cctaaagcat ttcttgtatg tatggatttg tttcttacct 180
atacctgaag aatggcgctg gtgaggtacc accttgggga gaattgagaa catcatccct 240
taggtgtgtg aagtgaacac gtaggaagac gggcagagaa agagcccttg ttccaagctg 300
gccgtcattc agctgagaag acggctttcc tggaggtccc acgcacacca tgccgncgca 360
ccctcttcag ctgatctgtg gccagctgc ctcacggcaa tacccgagca tgttttatat 420
aangetttca aagctgctgc tgctgctgct gccacttctg cagtggctat acctggnctt 480
taatgnctct gctanacaga agcatcat                                     508

```

```

<210> 509
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

```

```

<400> 509
aagccattca acagtggccc gttcccaaaa cagtgaggtc tgtccgcata atacatgtgg 60
tggctcctga tcaggctgaa ggtgaacatc aacaacagca gagacaatct agaaaaactg 120
ccaggatgat cagaaggaga ggtggcaggg cttctcagga gttaagcttg ggaacactga 180
ctgcaagctt ttgagggaag ccctggcagt acagaaagga ggatgaaaaa tagaaaaaat 240
ggatttgaga tgtagctcta cctctgggga cagatcccac aactcctcac ataaaagaga 300
tgccagaagg agagatcaag gttaagggtg tatcacgaga gactcaagac agtcaatttt 360
gatacctcta aaaaatctgt ttaagtcaca cagttaatgg cttaaaaaat gatggcccct 420
ccccccactc tagatttaga tgaaattgng gtgaaatcct gagctatctt caatgaaaca 480
tgtcttcaaa a                                     491

```

```

<210> 510
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

```

```

<400> 510
tttattatct ctggctctct ctctgtgtca gcatccaagg agctttcccg ttgtctgggt 60
aaaggcagcc tgggaatgaa cattgttagt tctatcttgg ccttcattgg agtgattctg 120

```


ctgctgggtgg	atatgtgcat	caatggggta	gctggccaag	actactgggc	cgtgctttct	180
ggaaaaggca	tttcagccac	gctgatgac	ttctccctct	tggagtctct	cgtagcttgt	240
gccacagccc	attttgccaa	ccaagcaaac	accacaacca	atatgtctgt	cctgggttatt	300
ccaaatatgt	atgaaagcaa	ccctgtgaca	ccagcgtctt	cttcagctcc	ttccagatgc	360
aacaactact	cagctaattgc	ccctaaatag	taaaagaaaa	angggnatca	agtctaattct	420
catggagaaa	aaccacttgc	aaaaacttct	taagaaaang	gctttttattg	ctacaatgat	480
ttctaagctt	taaaactggg	gttgagt				507

<210> 511
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 511						
gaaacaaact	gagaaaacac	cagacgtggc	gacatctata	actttctact	tatatgctca	60
tcattatgtt	agtgtcatgg	accttaacag	ttctgtctgc	ccagaccact	ctccttcctc	120
tgaaaacgga	actcctagtt	ttcctgttaa	taccccgccc	ctctggaccc	tgtgggtcct	180
atggcagccc	ggtttccaga	tgaaccaatc	ccgtagtcca	ggagcagtca	cctgacccaa	240
gctgagccaa	tgagaggtct	accttgtgca	agttgatgcc	cgccttttct	gccagaagaa	300
tatcaccgac	ccatcccttg	gttccagacc	attcctgaag	gccccagcag	caagngtcat	360
gcctctcgtg	gcttgggttaa	gttggccctt	ccttgatttg	ggggaagcca	atggatcatc	420
atcttggatt	tcagtcaactt	gccatcact				449

<210> 512
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

<400> 512						
tgtgaattct	ttcctggagt	gaacctcttg	gatgtggaac	acgacagaac	caatactggg	60
gaacaacagt	cctccaagca	aatgatagt	ctacatacaa	aggaagttgg	aatggatatt	120
ggttaagcaa	aagcaatgtt	tgttgagcaa	actcagcctc	ctcatctgtc	tatgggtcta	180
agtcatcatt	tctttttctg	gactacacta	ttctgactcc	ttcaaaaaga	cctttgggtca	240
ctttgatggg	taagctgttt	gaatgctgca	gaaccttgac	tcaccacgtt	tactggagga	300
gccacaaatc	catgatgagg	aaggcaagnt	tgccctttact	tttcacagnc	anactccctg	360
gaaagcgggt	ctgagacaga	gattggcatt	caaggagtga	atggggggagt	ggcagagggc	420
tccttgtgtc	aaccactgaa	gggaaaaact	g			451

<210> 513
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 513						
gttgaaatta	aggagcccag	caaacaagga	cgttgcaatg	gcagttagaa	acaacagttt	60
tgaaagggca	gatgaaacag	actcgctaca	agacaagggg	attgttgaaa	agccctccac	120
aacaaaggaa	atgaactcaa	atccctaacc	tgcggggcgt	tccagcaacc	ctgaggccaa	180
aaataaagct	ctctgatg					198

<210> 514
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 514
 gaccactagc tctgggggaa gccagctgct atgctgcaaa cagtcctagg ggagaggaca 60
 atgtgggacg gaaataggcc acctgccaac agccacctga atgagctcag aagcagatct 120
 tctggcctgc tcagcttcag atgaatgcag cctcatgaaa gaccctgaga caaaaccacc 180
 cagtaagggtg gccagaagga tcacctctcc ttatttatgt atatggagac ccatgagaaa 240
 aatagggaaa gagcaattac aatggcaaca gccaaactgaa tccttccacc cactggattc 300
 tttgatgaac tgctgcagaa gctcattcat gccttgngat aatcnccana caaganatcc 360
 ctgccttctt ccttacgtaa gatgttctgt tgggtatgaa gcaagaggtc atactcgcaa 420
 ttgacaagcc catgccatac caaagagtat gtgtactgca a 461

<210> 515
 <211> 658
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(658)
 <223> n = A,T,C or G

<400> 515
 gncngaaaact ggancntttt tccgaggggc ctttttngan gtgncntgga nttccttggt 60
 ctttttngaen caaaaancaaa ngtcgccaac cttacaggnt ctttcttctt caaangaagc 120
 caaaaaacct ggaaaaattht tgggtcaaagg aaaaatactt ctttcaaagg aaaccgcca 180
 gccggattttc ttggaaatgg cttggattta ttattcaagc cggatttctt gaatggccc 240
 gattattatt caagccgatt cttgaaatgg cttggatttg gtggtcaagc cggatccttg 300
 aagatcaaga aagggccagg tactcttggt cttacaagct tgcctccctt acaaaccctt 360
 gcaaaccttt attttgcca aaggtaaaaa aacaagccgg ggggaggaaa aagaaaagcc 420
 cccaaatctt aagccccggg cccaaaatca ccaccaccna aaggggcatt ttttaaattt 480
 cancaaagaa gnccttaaat ttccaccctt ggtangggaa ccacttagcc tggtaggtcc 540
 caanaaaacc gtaccgggta agaaaagaaa atatttgggg aaaaatanta ntgcttgagg 600
 tggaaacttg tggtttaaag ccaccaagaa cttggatncc cantcacacc ttggtttc 658

<210> 516
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 516
 attttctggc aactggctga tctgccccca accagtgact catgcctcaa ccagtcctgt 60
 ggccccatct ggaggccgac tctgtgcagg aggaccattt tccacacctc tatgatacca 120
 tctccaaccc attccctgcc cctgcccac caacttggtc ataaaaagcc tagcctcgga 180
 cttctcagag aacttgattt gagtaataac tccaactact gcatggccag cttgagttta 240
 ataaaactct ctctgcaat 260

<210> 517
 <211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(436)
 <223> n = A,T,C or G

<400> 517
 gtttgtgaac atccacgtgc agagattgga tctgtggaaa cggcactgct ccagagactg 60
 cgctgaacca gcaaagaatg aactgtgata acaagcaggg agctctgtcc ctgagaacgc 120

```

ctcacagaaa gactgaaacc acagttgctg acctgagagg ggagcaggag gtggaaactg 180
gaaggcagta gtctaaccatg agagctgaag aggctacaca gagatgggaa gatctcctaa 240
tgcactgatac atttgttgtc tcacatgggtt aggttagatta tcataccacc tgcaaataat 300
tacagntttg tctttttctt cccatactta ttncctctca nttttaaaaa tttattttgn 360
atcatttttg ctaaggggacc tcagtacaat tntaaataat catgggttaca ataaccaaat 420
gtatccagct tagatg 436

```

```

<210> 518
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

```

```

<400> 518
gaaagtaaat ataatcttat agattgatca gaaagtggaa aaagattgat tcaccatttt 60
gaagaacaga agagtctaac atttgaaggg aatgagaatg aagataccca cgcaaaccct 120
tccaaagctt tcatgtgttt caagttaaaa aacaggattt tgtgtgtgca aagggtgctgc 180
aagcggaggg tgctaattggc tcataactgc ccccttctcc agagatttcc tcttggacat 240
ttgcctggga gggtacctcg ccacccccag cccaggggca gccacactgc aagggttaat 300
ggacatgaag aatacaaaaag accngccac ccccntcaag gnggaaaaaa ggatgcaatt 360
tcctgatggg caaaggcagg caaatgggtc ttacttccac attgtctcag gaaacacaat 420
aatagtcact tggctctcac catatcccct ta 452

```

```

<210> 519
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

```

```

<400> 519
aaattgactg ccacaacaaa acttggtctc cgtataagga aaaaggaaaa actgcataca 60
catttaagcc gaaaactcat tacagaagaa aattagaagc gatgagaact gcaaattcctt 120
ctttattgct tctctaattt tttcaaaaaca aaacttaact actgtaacga aactattcag 180
ggaatagttt tatgattaaa gaaaaaaaaa tggtgcgcaa aaaaaaaaaa gnnngcgggg 240
ncnnttnanc tnggncttan cnaggnngaa cttgttcaaa agggggggggg 290

```

```

<210> 520
<211> 577
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

```

```

<400> 520
aacttgagtt ttggtgaaaa aaccaatggg tggctgggtn ggtggcctgg accgttttgg 60
ccaatcttgg cttgggctgg ccttaaccaa ccctntactt tnaatcctgg ggcaagcttn 120
caanggaang gaacattctt actggccacc aaagttnnaa tccaagcaaa ggtctaacct 180
tgggccacct tcnttcttgg gtntgggcc attggangct tctaaccaat ggtacaaatc 240
ccaatcaatc taactggggg gggcttcaac caccaagggg ttctgcttct gggaatttcc 300
gggctttggc ccttttccgc ttggctgggc ccattggggg tcacaacccc acccaangga 360
aagaataaaa gcttcngaag ccttgacttc ccaacnaaac ttcccttttt tcacggaaga 420
agtcnaaaca agcaagnctt ggaangggcc ctttttaacc aaaaaanggc aanggttggg 480

```

```

ccccaannttt tttgggggaat antttttccaa gcccncccca gaaaaatcan ttgangcccc 540
aaaatnaaaaa ccctctttttt ttnttttttat taaaatt 577

```

```

<210> 521
<211> 664
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(664)
<223> n = A,T,C or G

```

```

<400> 521
cagaaactgg aggggtattac acaatggggc ctcggtttat tgggagaatg ggagccattc 60
ccaactgggtg ggggggaaag aattttccgg tccccaggcc ccagcttggt gaagaatacc 120
aagtaaagggt ttcaaagaat ggtcaaggaa gggccaagggt cccggccccc cccttggctt 180
cggggccaag caacaacaaa cgccacaatc ccttggaaaag ggaaggggtcc cttggaagaa 240
taccgaatgg aacaaggggc ccattcgggg ggggaaagct tgcttcaagc cgcttgggaa 300
gtgggtggga cccaacaat tgaaaacttc acttgacaaa aggggaaaaa ggggctcttt 360
cctcaataaa cccttccgat cccgaaatac cacttgggca aaaaggggca aacaactttt 420
tggtcttggg acccttcttc cccaagnttc ttgaataccc cctttaagaa aagaaagaan 480
ttttaggagg taaccttncc aagaaatttt cntttaccaa ttgggcaatc ttnccaagaa 540
aatggggcnt cttngggtaa tttaaatggg aaatcctaaa gngggccctt tttttaaaat 600
ggtattcccc accgtttttg gttnccectt aanccattct tttttttttt tcaagaatga 660
atgg 664

```

```

<210> 522
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

```

```

<400> 522
gtctcatcct atgagcttgt gctgatttgc tgattttacat atctccactg gcgaaaatca 60
tatctgttcc ttaggtccaa ttttcaagtt ccaagcattg gcagtgtgac cacaatatc 120
tatgatctga tgctttatct gatttttgtg tgtttgtttt aatggaagt tagaaaggga 180
gggaagaagg gaggggaata tttgatttgc tgtctagcca acacaattct aaaaagcatt 240
aagtggaaac tgctacaagt gtttattttc taactctttc tgggtataat ggaacagtca 300
agatctgaac aagaagtcga tataanggtt tgcgggttat gataagcata tcagccagn 360
gatagactaa accccagtga cagctgggat gggtcttggga atcagacatn cttcaataac 420
atgtttcccc aaagcttata aacattgggt g 451

```

```

<210> 523
<211> 666
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

```

```

<400> 523
cagaactgga gggctcttcct attccctgga gaacacaaca attattggaa ataagggggc 60
caattaaata aacccttaca aatgggtctg gtaaattggg gccaaagggt gaaagaaaag 120
gaaatccggt ggtggccttc ttccgctttt aaaaatcaaa aaggcttagg aaaaatggaa 180
ttaaagcctt ggacttggag gggaaagggg cattggtttt gaaagcttga aaacaggact 240
tggaaaggcc aagggttcctt ctttgcacca aaaagggccc aaagtttggt taaaagcaaa 300

```

```

aggggaaaaa attattttgg aaagtaaaat taaagggtgct acttcttaag taaaccacaa 360
ttttggataa agaaaaaggc caaaaacaag cctttatttg cttgggtacc aagaagaaaa 420
gttttggagg tccggtttgg gggtaggaaa anaatcnaaa ancccaggcc ccccaaacca 480
ntttcccntt ttaaagccaa aaaagcccct taatttccca gggaangggg cccctttaa 540
cctctntttt tcaaattctt tnttgaaaaa gaaccttaaa gaaagaagcc ttggacttta 600
agaaaccccc aagacanggg gacntcttga cttcaagcct tnccacgcca ggaacaacca 660
agccaa 666

```

```

<210> 524
<211> 580
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

```

```

<400> 524
cataacttga nagtcanagc tctttgctgt gtcaccccag gcttggagtg gtagtgggca 60
ntggatcatt aagctttttt caaangcttt ctttccaact tctggggctt caaagccaat 120
ccttcccat tcttcaagcc ctcccaaaag gtagccagg gactaccagg gtggaaacaa 180
ggaaaaggaa agtggctggg ggtaccactt ttccaaagaa tcaacccttc aanggtanca 240
ggctgggtctt ttttggcttc ctctctttgg gtcttttttc cctttccac ttcgctggga 300
tgaaagaaaa aatggacaaa agcaaaagcc acacatggga aagaaagtct tgggaccctt 360
ggctgactac cgaaagaggg acaacaacg gnttcaactt gggacactga ancctggact 420
gnntagatga tcagacttag gacncangga agatttaaac cnctgggata tgaattcaag 480
ggcattatgc tttttatacc tacaaggtga agccaggctg agactcaana gaaggttaaa 540
taaactttnt tccaaggacn aactgnntag aaactggaaa 580

```

```

<210> 525
<211> 519
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(519)
<223> n = A,T,C or G

```

```

<400> 525
gagctggagc gacaacaacg acgncgtttc cgtttcaacc accttttctt gttcccgtcc 60
ttgaggacgc cgggccgggt caagtgggta agccttccan ccttgggtgt gggaaaggcg 120
aacagaaagt cattgggcgg atggtttgga gcaagaatna agaagcccaa cgtggggcaa 180
agtttgcttc aagggggtacc cgacagggta ccaatccctt gagaaacctt gggcccacc 240
ttggaagccg ctatgtagaa gacgcangcc caagggaaaa tgcctatgat ctgggaaagc 300
caacctggct gtcctgaagc ttgtaccaag ttcgacccaa ccttcttttc agaccacgn 360
cacccgcca aaatncttgc tgaaaggccc ttaaccaact tggncggaca caaaacttta 420
cccttgtagc agtgcattga tcgaccagg caccattcaa gaaagaacgg ncaattccga 480
cagaattttt gtaccttggg ggacctggtt gggaaacgt 519

```

```

<210> 526
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

```

```

<400> 526
gaaacctttt cctcggagac gatttagaag atagaaggta atgatggcca atatcagaaa 60

```

tgcattcttta	atntcaaaga	tgaaaacaac	caaattggaag	aggatgagag	aggggcaggg	120
gcgccaagtc	accaggcaag	gtttctaagt	gtaaaatagg	aagcacacag	accttgataa	180
gtanttgatc	caaagttgaa	catcaacgta	aacagctgac	tgaatttgaa	gccagacttg	240
tctgatacta	ctgttcacgc	tttgaaactg	catcattcca	gctgatatca	ttaatatagc	300
aatctgtata	aaaagttctt	aactgtgaga	cagaatccag	gaatcactaa	cattctttta	360
agac						364

<210> 527

<211> 304

<212> DNA

<213> Homo sapiens

<400> 527

tacctttggc	ccacagtgtt	cttatcttat	agaacacaca	attagccagt	gaaaaactca	60
taactagtct	atctagtggg	gaaaaattct	tgtgggcagt	ttgaaagcct	ctaagagaag	120
attatgaagt	ttggaaccag	atgccaggag	acacgaggaa	ggctgtagat	gctttgaact	180
tgtctactgg	aggaatatgc	tatgttgtgt	acttcattct	tatgaatatt	tagcaaggat	240
ttctactgaa	cgtttgcagt	aataaaaagt	atgccatcag	ttttaataaa	gagacaccca	300
ctcc						304

<210> 528

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(447)

<223> n = A,T,C or G

<400> 528

gtccccaggc	actgganana	ancagagcta	aggaggggaa	gtgtctgtct	gtcttgctga	60
aagcagctgg	gagtgggaaa	aaatagtctt	gtccactttt	ggctatctca	agatgaacat	120
ggagctctcc	agcagaggaa	atgtctagga	ggataagggtg	acatctatca	agtgaacctt	180
ctatgcgaac	acatctgctg	ataggcctga	cccatttcta	tcattctgaga	atctcaagta	240
gcttgtccac	cagccacaga	gagatgagga	aactctggaa	aaagcagctt	gcccctagta	300
tgtcaggtct	acaagaaaag	ggagacantt	ggtnggggtng	ttttttgggg	cagggaaacc	360
tncctcacag	gacacgacct	gggaagatca	naaaacccat	tggnttaagc	tncaaataga	420
gaagatgttt	gaaacacaga	gaaggcg				447

<210> 529

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 529

gcattctcact	acaacgacct	tagaggtggc	ataaactgaa	atataaaagc	tgggtctatc	60
aagcaactaa	aatctgattt	gatgggttaa	agctggaaaa	atccaagaat	gaatgaaaga	120
gcttgtggat	aggcccagac	agtgggcagc	atggctcttc	tccagcctgg	gacacagctc	180
atcactcagg	gtggatcctg	gagagaagct	gcctgagttc	agcctttgcc	tatcccagta	240
ctcactgtgt	gcaccagag	gagcttctgt	gtatctgtga	gaccctgttt	cctcatctgc	300
aataccagga	ctcatattct	aacngggctt	ttgaaacctn	aataanntaa	tgtaaggctt	360
gggccatgta	ttttcttcaa	naatcgttgc	tgtgaaagag	ccagtgaagt	cacagagggt	420
aaagtcaatg	gtcaaccttc	ctgattaatg				450

<210> 530

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(248)

<223> n = A,T,C or G

<400> 530

```
cctnagnaan aaaaantntn aagggggcana catnaaaatc ctgaacaaca gctttaataa 60
tgctagagag gcaaacctca gaaaaatact aaaacagcat caaaaaggaa tcaaaatacc 120
agccacaatt ctatttcacc cccccaacaa ttatcaaaat aactcaactc tcacccaaaa 180
aaaaaaggcc ngcgaggcca attcagctng gacttaacca ggctgaactt gntcaaaagg 240
ggggggggg                                     248
```

<210> 531

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(356)

<223> n = A,T,C or G

<400> 531

```
gatgacgagg tgcatactg aacatccagc ccccgaccag ggacctattc agaagcacga 60
actgcaggct gtgtcccacc atggatcaca ttcagcccag actcagctcc ttctgcaacc 120
ctgccaaaga gcctacgaat gacggcccca tagcccaggc cactctatta atgaagaaga 180
gtgcactggg acacttgagg agaacctgtt ttgtctcatg tttttgaagc aagagtaaaa 240
aatggaatgc ctcaaaatgc tacaatccct ctatatcag gtgagggaga ttcttgtaat 300
tctgtggggt atgacatgat attcntttaa atatttaana acctttgggt aaaatt 356
```

<210> 532

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(455)

<223> n = A,T,C or G

<400> 532

```
tttggacctg attaaagaag ggacaacaaa ggccaatttg ccatcaccaa aggagcagct 60
tgacctggag ggatgaggcc tggaggccga cagcaggact ccgtcagtga ttctttcagc 120
tcttgaaaat gatccctgaa tccaacggag ctgcactctac agaataaaaa aggtagaaat 180
tcttatggac tggaatcttc ctcaaggctt actttgttcc tgggatgcag tggatgcatag 240
aagatagggc attgactcac tcagacctgg cttgcccagc atgcattgca acaatgatgt 300
gcaagttatt aaagacatga gtgaattcnt gccaaattgg canaaaaaaaa accaagagtt 360
ttntacaaca aaaaactgct tatggaacat atacttctgc ttgagttgaa tgtgttgggc 420
ttgagtgtaa gaaaatgcaa gctgcaaate taaaa 455
```

<210> 533

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(456)

<223> n = A,T,C or G

<400> 533

```

atatcacaga tgctccatca aggttgaaac tgtgggagct cagaaacat tatcccaaaa 60
tctagcactt tgacatgaga actgaagaag aagggttttag gtctctgacc ttgccctgct 120
cctcctgtct atcaatcctt tgtcatttcc aaagcacaga atataagttg ttctctgaag 180
tttcttcatc tgcccaaatt tcagacatgc caaagaagaa aacagttacc ttgggctcct 240
tttctaagct tttattaact gaactcatct tgcagaaaga aagactgaaa tctgtcaaca 300
cacttggaac gacttttgtc acaaaatact nggntnggtn ttaaagggcc ccaaacanac 360
cttgntccca gggccattgg nttgttattg gaagcccat ggaaattcttc ctaaagataa 420
tttattatgc tccgtcaaat catccatact tgaaaaa 456

```

```

<210> 534
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

```

```

<400> 534
tgaaggtttg cagctccagc gagcctaaag gaggagccag gcacagcggg tgaggaaatc 60
tcttgcccaa gaagtggcag gaagactcct ctccctgctc acacaggctc ccaacatcac 120
tcccaggaaa acaagtgcc a tctccccaca agactgtgag ctctgagcac agcagagact 180
ttgtcagttc tgttcctgga tgttcaccag cacatggcag caaatcctga gagctggctg 240
cagtcagact cttctacctg acccaggagt gaccggggca cagagctgat tccagagaag 300
tctcctctaa aacaaggat ggaaccact tttttaaccg gcnttgtttg ctttttacag 360
ttgaggcact aaattcatgc atgagcggcc tgggttcaaa ccctcactct tgccacttct 420
tggctgagtg acctagaacc aagc 444

```

```

<210> 535
<211> 502
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

```

```

<400> 535
cagaaactga agaaccnat tggaaatcgg nnggaaatcc ggnnttttaa nttaacnngg 60
nanccnntcc naaagtcctn ggaatttttg cccanggttt tttgatggac tccttcccaa 120
attttttaag tttaccggct ggaaaactgg atggctggcc cgatcggcct tcgggaaagc 180
ccgggtaaga accatcacgg gatgccgaag cttttaagg aactcttcac agtgggangg 240
acanggaatg ccaggccntn tgaagcccaa agcttaaacg catcatattc ccggggacct 300
gcacacattc aagatgggccc ggntcctggc cttaactgat gacatttcca nccccaaaaa 360
gaaatggaaa atgggcctgg ttcctggcct taactggagg acattatttt ggngaaaatt 420
ncnttttctt gggtcacatc gggcccaaaa gcttccccta attgagcacc cttgggaacc 480
cccaattctt ggctggccaa aa 502

```

```

<210> 536
<211> 448
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```

```

<400> 536
caggggaactg aaccagtggg aggaagatgg ggcctctgat gcctggatgt gaagaattca 60
gctaaaattt tcaatagatt gctgaagggc caactatgta ctagcatgag aaaatagaat 120

```



```

ccctggaact gcagacacag agggggttcac agccactctt ttccaagaac ctctctatgt 180
gctcacagag aaagagtggg ggcaggacta ggggtacaggg aaagctaccc tcaattctac 240
aggaggggagc agatgctact aatggaaagg cagagagctc ttcaaaatta cttgtccctt 300
aaaagaacaa aagcttttaa ttgctgggga aagaagnacc atacactgtc atgctggggg 360
gcatctgtat cttgaggaaa atgttaaaga atgaaagact tcaccctctg agaagaacag 420
taagtgatcc tagacctgga ctatcaga                                     448

```

```

<210> 537
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

```

```

<400> 537
gnanaactga tgacacagng gngntccaaa aatnaccncc cgcncagggg ctttttgntt 60
ggatttccgg aagaatcaan gggcagctgc aatgactctc ccgcccggta ttattggcat 120
tggcagcact tattggcagc tggcagaacc cagaatgaat ccacagggaa tgcctggtag 180
tanccaaatc aagtaccaa caaaatcccc gaaatgggtc aaaccagaca gcttcgactt 240
ttgggcacat gtgtatgctg ggagcaccca gtttctagtc ccagaatacn caaaaaaaaa 300
aggaaaaact atgtgctatg ggctttgata ggggaatgcca gtaattagtg gncctgggtc 360
tcaaaatcat tggggatgta aaanactgca accanaattg ctttntgagt aacctgaggc 420
ataaaanagc tgctgatata agtcaaagct tgccctcttt tggngggccn ccaacatctg 480
gtattttta                                     489

```

```

<210> 538
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<400> 538
gcagggagaa aggaaatgag aagcgtacgg aggtcgagag gattcagagc tgtctactct 60
ttaatcagaa ggaattactg aggagagtta gaaaggcgat gtgctcaata caaaaccggg 120
actgggatga gtatcaagtt actgcaactc gcttccgccc agaacaacaa acgaaggtgt 180
gtagttggga atgagactct caccagtgtc ctctgctgaa gtttccggtg catacctccc 240
acggctactt tatttactgc agctggccaa agttttatag cctgtttcat gtattaaaat 300
tcaaatgtgg aaaac                                     315

```

```

<210> 539
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

```

```

<400> 539
gctgttgcta cccatgtgag agtaaagaag ggaagttaaa tcagtgtctg tttccttgat 60
ggttccattg atccaaaagc ccattgaagt caataggatt tcgtcttttag cagaaatgct 120
gcacttagat tatctccata ggaaagtaca gaaaaaaaaa actgatcgaa atagctgagt 180
tactttcaaa ccaccagcct gctttatttt taaacatatt agaagtttca ctaatcttta 240
aagnggattt tgtnactga gagtaatact tataataata atataatgca ttaaagaaga 300
gaaaact                                     307

```

```

<210> 540
<211> 442
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 540
 agagaagaga aagaaagaga actccttgaa cttgaaaaca gaccatcaat gagacagggt 60
 ctccactgtgt tgcctaggct ggtccttgaa tcctgcattc aagcgatctt cctgtccttg 120
 ccttcctaaag cactaggatt acagatgata cagggttaaga ttaagctgtt tctttcatgt 180
 gagtctcatc actgagatct gattccacct acaaagggtt cctctagggc tttagattga 240
 gatgttaaca tggactgaac tgtgtccctg caaaattcat accgttgaag cccagctcc 300
 cagtgtggct gtagtggag ataaaaacttt ttttaanggan ggtaatcaag cttaaataga 360
 gtcataaagg nggagctcta atccaacagg gtcgatgccc tcataagaag aggaagagac 420
 atcaagagtg cacatgcaca at 442

<210> 541
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 541
 aaatccctgc tatgtgcttg tcacaggaga ggcgctcaac aaatgtcagc tgaatgtatc 60
 aatagaaccc acacaagttc aaacgtcaca ttcaagtaac aagatgttta gctgggcaca 120
 tggccactca aaatgaagac ttcatctctg gcctgccttg caggaagata tggccacgtg 180
 actgagatct ggcctatgga atgtgaatag aaatatattg cacctcccc tttcttcttc 240
 ttctgatcat tttatccagt ttcttggaac ttggatcggc tgctgaaact ccattctcgt 300
 ttatgagggg aaaggccata gtccactaga gttactggta taggaagctg gaaaaagcct 360
 gtgtcccaa ggaatTTTTT gagcaacgct atcatgtcac tcctggattg actgcctaca 420
 agacattttt aaatgtgaga taaataaacc ttcataattt taatcaaaa 469

<210> 542
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 542
 ctacttccta cagggtgagc ccaggacacc aggacagagc tgctgccacc tgcccatgtc 60
 ttccaaaagc gacattttga gctcattact actagatgtc acaatacaga atagggtata 120
 cgctcgtagc ggctctcagt cccaaaagca gggatatggc atgcaggaaa taaagggtac 180
 agagtgtctg cattatgctg atgacatgct gtcttcaccc aaaaaagatg cagcaaagtc 240
 taaaactgga aagagctttg gagatcacca acttaacatc tttggatttt taaagacgga 300
 tgaatagggtc aagggtgagaa atgagttctc cagtgtcatc cagccctttg atatcacagg 360
 cagagatgga actactcctt cccaacccta taataataaa aatagtctac tctcctcatc 420
 ccacaccctt tcctgatata tcctatgcaa atgcacagaa gatacttttg 470

<210> 543
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 543
 gtttatgagc aggaaccatt gcttaagaaa tactcaccat caagcagaat catgagggac 60
 agagcaccat gaactcaggg agcaaagaga acactgtggg ggtattctta gggatggaat 120
 ctccacatca aatccattgg caagacctgg atgttcttgg aaatgtgaaa cattgaaaat 180
 gttgaacatt aatcttctcc tcattctccag tatcaacacc caactgaggc caccatcatt 240
 tcttgggttt ggggtggacaa ttgaacagc accatgatgac tgctgtgact ttgtctatga 300
 ctccagttaa tccatcctcc actccaccgc ctgatatgac tcttcaaaaat tcacagtagg 360
 taatgacacc ccagtggaaa atgctgattg ccttctactt agaataaatc ccaaattctt 420
 tactgtggcc tataaaaccc tcagtgcaat cctcaaaga 459

<210> 544
 <211> 479
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (479)

<223> n = A,T,C or G

<400> 544

```
atcctgaagt caaccaggga actgggtggc tctttggatg naagaaaana ttttaaccatc 60
agagtaaagt gttctagaga ttaatgggct tgctgttttg caaggtccat agacgtcctt 120
tcctgccaat acaaatatat atattgttga agcacaagac tatatccaca gataggatta 180
catgttaact gaaaagattc aagggaagaga agatgggcca tcaatgaaaa atgggtgggta 240
caatgaagca actgatttca cagctaaggc gagagcactg cacttcctcc tcatgttttc 300
tggttgntaa actcccacta agaagcatga aaaagagcaa gatgcacttg aggagataaa 360
gcagaccttt gaagggaaac caaacatcag ttcaagttgt aacttagaga ccagaaaaga 420
tattccaagt ttttgtgaag nttaaaatgt gctcttttgt atggaaaaaa taaatcctg 479
```

<210> 545

<211> 408

<212> DNA

<213> Homo sapiens

<400> 545

```
gaattgcaag gggagctgtg ggcttgacag tgctggcagc cattgcaact gaggatggaa 60
ttaacatgga acacaacaga gctggacgtc tgagccctaa ggacggcttt tgggatctca 120
aatccagcta tgcctgaaga cctaaagcta gaagctcctg tgcttttcag ttacagccag 180
taaatacctct tttttggctt aagccagttt gaattgggtt tctacacagc ctgaaactgc 240
tatgaagtca aaggtagtgt tagtgctgga agacactgca tggataacct cctcaagggg 300
ccacttcact ttcaccacca aatgcccctt ttcaccgatc cttgtctact gctaccttgt 360
ttgatagatt atgtctacca aaaataaaca aaacccgcat tgagaatc 408
```

<210> 546

<211> 422

<212> DNA

<213> Homo sapiens

<400> 546

```
ctgttattgt tccttgaaaa acagtataaa acaatacaaa cactcattga catggaccca 60
atctattctt gactttttta ctgatggatc acattataat gcagaagggt ccttgccctg 120
atgctgaaaa cagacttgcg aagctgaaaa tgataagagt atgactttta gttttggaat 180
gttaagaaat aatatactgt caaatcattc aatagatgac attgttaaaa catgaaacat 240
gaatatgttt cgctaaagca tcatcgatca attgacaatt cttgtctatt tttactttta 300
tttgggcagc accatgaaca aacttgtggg gccccacgtc ccagccacgg atgggtgcatt 360
ggctgtgcct cactctgata atggccttcg tctgaatgaa attttcagtt tccaaagact 420
tt
```

<210> 547

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (322)

<223> n = A,T,C or G

<400> 547

```
cnaaactggg ggggggtctt ttaagccgag atcgcgccat tggactncag cctgggcaac 60
gagcgaaact ncgtcttaaa aacaaanaag ctgncatttg gcccanaatt tgngccttga 120
aaccaccacc gggagggcgg ttcccacaag cttcccgggt tgggggctga ccaattctgc 180
caggaaaact agggcgacat tcccaaatca tccccttgac agccctaatt cttactttta 240
agaaggntct tggtagcatg gaaaaccgca aatgcccggg aaaggcagat ttaccatgaa 300
agctaataaa gcttctaacc tc
```

<210> 548
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 548
 gtgggggtct nttcangaag ggagggcaga aaagaaagaa ngganggtgg ganctcaaag 60
 cttgggggaac ccactgggaa gagatgggaa ttagaaagaa gaaggggtcc cgaaccagac 120
 agggacctca agggcagaaa accaattatg gtcaattaac ttcttcaact cagcaaatat 180
 ttttcaaagt gtcaagcaca tggaaaggag ccatatgaat gacacaaaca tgactggaaa 240
 cctctgtctg cctcccagag cttcgattcc tgcactgggg tctttcaaac tcaggtacca 300
 aatggcttcc tccgagggga aaaactaagt cctgccagat gcccctgggt acattacttt 360
 ggggtccatt cttaaattta aattaaacta cttttatccc actatt 406

<210> 549
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 549
 gaacatcatt ctttctcatg catggtctgc agtgatggga actgaatgca ccagcagcag 60
 ccatatgagc ttggaggcag atcctgctcc aattgagact cagctgagac tgcagcccca 120
 gttgacacct tgattgcagc ttcataagat cctgaatcag ggaatccatc tcagctgtgc 180
 ctagactcct aaccgcgtaga aatgcgaaag gaagagtaag ctactctcac ctgggaggtc 240
 cagctgggtga agaccacaag agactgtctc cagtgggaaa gagccttgag ggagctcatt 300
 tactgcttcc acatgtgtgg tcacagaaag aggcattcatc tatgaacaag aattcaggcc 360
 ctcaccagac atcaaactctg ctggtttctt gaccttggac ttcccaacct ctggagctgt 420
 ga 422

<210> 550
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(330)
 <223> n = A,T,C or G

<400> 550
 atttctcatg gaaaaggacg gnctggagcc tttgaacagg ggctgggggtc ttccttctgg 60
 gtcagcaatg ggggnggaa aaccgaacgc ctttcggggg aaagggaggg tcaccccaag 120
 atcttcaagt tcaccgaagt ggcagcctgg gattcaaggt ccctgcctgc cttccagaac 180
 ctgagctctg aaacgctgga ctaatcaaga acctcttggc ccttgaaaaa tgaggcctat 240
 tgaacaaaga catttgtaag aaaagggact attacaacct agtgtaaagt aacaagcaaa 300
 taaaaaatga aatggcaciaa ctctcccccac 330

<210> 551
 <211> 459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = A,T,C or G

<400> 551

```

tgtggctggg aactgctgta gctattctga gaccacgaga ggagtcactc ggaagggaaa 60
gccgacatcg agtatcgga gatgaaggga aatgaagaga cagcaactac ccgaagccct 120
gacggcatcg ctgggctgtc aatcaaccct ctcaactctc taacttgcaa cttacttcac 180
gggatgtttt tccctattta agccattttg agcagggtaa tctgttatat gtggttgaga 240
gcagccaact gctatactag tctagagagc taaacccagg cacccttcta acaatcgta 300
gtcagagtgg gtcaggacaa taagcacaac ctgcttttcc agactccttt gtccctctcc 360
ctgaatgctg aagaaacaac ctcccttct ggtcttcac acacttctac acacccatct 420
gcactaattc cactgtgctg ngatctgctt tgtatacat 459

```

```

<210> 552
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

```

```

<400> 552
ccacagatcc atgatgtgca gttctcttgg agcaggcgct ggcttgtgct ggtcactacc 60
tttccacaag tacttccttg ccaagaaggc cgaacaaagg ttcaaacctg aagttaaagg 120
ggggggaaaaa tgaaagggaa actttcttgc accaaaggga agcttgcccc aagctttttg 180
tggggggggaa gaaaaagtgg gatgaaggga ggggggcttga aagaaagcct gatgggcagc 240
cctgggatga agaaacaagt gacccaagcc aggtgggacc ttccagggaa gtatgcctgn 300
ttttcctggc acttcacac tgtcatgtgc aatgacttct ttcagggctt gccagagacc 360
gacccttgaa acaaaactct tgactttctg ccatggatct ctttggggcc cangactggt 420
ggatgccttt gaagttttgt attcaataaa actttttttg gctggtgata at 472

```

```

<210> 553
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<400> 553
gatgggtgtg tgtggcccat aaatcaactg gacgcacttc cctttgtttg cacactgcc 60
ccgacacagg cttgctatga agaagaagaa attttgctca gaggaacta gaaaacctga 120
acgtgtacac aatgctgaca tttttgttg ctttcacccc tcttaagaat ttctaccatt 180
cctttgagaa gttgattatt tttaaaactg tgtatcattt tgccttcttg ggcaaattgc 240
acagtcaatg atatgtttca ccgagtatgt aaatcccttt tacatatctt aaaataatat 300
ctaattaaaa tgtcaagggt atagctcatg aggctagagt ggacagggct ccacccctc 360
cctcagcctc tcaaagtaac atttaaagta tgtcctataa ttaggagcaa ttataaatct 420
caattaaaaa gaacctgcat 440

```

```

<210> 554
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

```

```

<400> 554
cnaaacttga gggtnagag aaatgagggc atngccnata acttggaagt tcttnaagtt 60
tacnatggga aagccnggcc cggtgccagt ggcattgccc tggtaattca ccacaacttc 120
atggagatta aagcaggagg ggaccttctt gagcccaagg aagttttgag gnttcaagtg 180
agctatgatc atgccactgc acttccaacc tgggcaacca gaagcaaac cctgtcaatc 240
aatcaaagca agcagaccaa gcaagggaaa gcaagcagca agaagcctct gcatgagctc 300
atgaatggct gctgtggaaa attactgacc gtcaccagct gaataacang ctatctggag 360
agtaaagcca gatgaaactg atgntaaatt atcaaagtga ccaaganttt tgggcttntc 420
ggccaaaacc ttcattggga acttagaaga gaaaaactgg aaacnnccag agcttttttt 480

```

taagcttctg agccacang ctggctctac atccct

516

<210> 555

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 555

gactctgggg	agctcctgca	ttaagagctn	annngattng	aacctnanng	aanaaactgc	60
ngannnaggg	agnattgaan	ctactntgtc	cactggacct	tggtcccang	ctccggntga	120
agctgaacac	tccgnatgat	ctccctgcca	ccatancang	ctatgaagtt	cattacacat	180
gcangtagna	gacaatacag	ctctgcttcc	atttctgagc	acctacggta	agactgccat	240
tattcagtg	gccancctgt	ttccaagcct	acaatgtata	gttcctctag	tacgtaaact	300
catttttttt	ctcagagagc	cnagnagaga	cacaggcagt	tttcttttca	aaatgtgcca	360
nanattccaa	aacaatctca	aagcattaaa	ggctatgtgc	acaaagt		407

<210> 556

<211> 368

<212> DNA

<213> Homo sapiens

<400> 556

tgaaaacaac	ttgggagtag	taatgaagat	gaccagaggc	cagcgagctg	aaagtgtttc	60
cagcaaagca	gccctctgat	ccatatactt	tagctacaac	ttacatcacc	aaggtccata	120
ttatatactg	tgatattcca	gctgcacagc	gaagaatccg	tcacctgctg	acaaaaacaa	180
atgatgctga	gagggttggg	cacaataaag	tggataatta	tacacaggca	ctttttccca	240
tgcagcattc	tttaaggatg	tgccagagta	tcttgaaaga	tctttgaaga	gctatgaact	300
gatagaaata	caatcttggg	tttatttttt	aatcatttgc	tagttaataa	aattactgct	360
ttcaatgt						368

<210> 557

<211> 340

<212> DNA

<213> Homo sapiens

<400> 557

ggtctcgctc	tgttacccag	gttggagtag	aagtgggtgca	atcatggctc	accgcagcct	60
caacctccca	ggctcaagca	ctcctccctc	ctgcctcagc	ctctcaagta	gatgggatca	120
cagggctcta	ctcctacttg	gaatatagat	gggagtggagc	tgagtggcta	agtacaaagc	180
tagaagcagc	ctggctccga	tggtatatac	aacctcgaaac	tgtctacacc	cagactttat	240
tcttctacaa	ccaaattcct	caaacacaca	atctgaacag	tagcagtga	agggagttta	300
aggtgggggt	gaggggagaa	agggagtaat	atgggttttta			340

<210> 558

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 558

acatgccaaag	cttcagctga	aactcaagcc	tcatgcagtt	ttctctgctt	ggaatgttct	60
ctgcccagcc	ttcacctgcc	cagcttcttg	tcctacaggt	ctcaagtcaa	atgccttctt	120
ctcagtgaag	acttccctgg	caccttgctc	acataaangt	catctggtta	ttctctctcc	180
agcctgtggc	ctattttttc	taaagaactt	ttcagaatct	catccatatc	ttggtttact	240

tgtttgtaac	cagtgtctct	cctccagaat	gtaagctcca	ggagagcagc	acttcctcct	300
tgatgttatt	cctgtctcaa	tccttagcgt	ctagcccagt	gcttaataca	gatttggtga	360
ataaagatcc	gttaaag					377

<210> 559
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 559						
gcacccagtg	actttggcag	cttggttaact	ttaggaaaca	aggcgctccc	acccacgctc	60
tcccacctct	ttattctgct	gtgtctgctg	ccacctccag	cgccttttca	acgcttcctt	120
ctcaactccc	ttctccatca	gtgcatacaa	agctttccgc	agcatcaagt	cccgatcatg	180
gaaacccca	attcctgtgg	caaaaaagca	taatggtgaa	tggaggactg	ctttcaagac	240
tcaccaaggg	aggctgcatg	caggaggcag	ttcccatctc	cagtagttgc	caaaggaagc	300
agcctctgag	aggtgggac	cacactcacc	caccagttca	aacgcctgt	agaaacaaga	360
tagtgganga	aaangagaat	attcatgaag	cccttnccct	ttctattttt	gnaaaaanac	420
tccaaagcag	cctcctttag	gaggcctacc	cagaataaaa	ccatcc		466

<210> 560
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 560						
gatggtgggg	aacatggcga	gaccagtgac	ttccaagagc	ctgtgcccac	tgctgcactt	60
ttttttgctg	tgaagtgagt	gccttgatca	gaacagtga	acggcgtttt	gaagactcag	120
atacagtgcc	aggctaagaa	gggagctgct	gtgttttctg	gggtgattgg	tcctgggtac	180
caagggaaaa	ttgggctgct	actccccgac	ggagttacag	gataccaaag	agaagagtaa	240
acatgaccca	agaaccctac	gtcctcttct	ggggaagggt	tagtgtgtct	ctggttttac	300
ccaagatagt	tgaatcaggt	gcagagggaa	ggaactggga	gcacacagca	agaaagtggc	360
tggtcacaa	ctangacctg	cccttntggc	ccttggtttt	gggcnttccn	gcctccaaaa	420
ttggganaaa	aaaataaatn	tttgttgttt	aagcc			455

<210> 561
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 561						
atgctactat	ccttcaagat	ggtaattaat	aaaagacaga	aaaatgccta	aacacc	56

<210> 562
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 562						
aaagtttggt	gactcatgac	ctagatgact	gcaagagcct	acaatgaagt	ccctctgcaa	60
acagaagcaa	aaggcacagt	ctgctcctcc	taaagatggg	cattttctgc	tgctatggcc	120
cagtttggtg	cttcaaggac	tgactgtgta	aaaaagagcc	cagaaactct	ttgaactgac	180
ttacagtggc	ttcttcagca	gtcagctgta	acgatggctg	gagcacctgg	tacctgagtg	240
agggccaaga	atgggctctg	catgtgcctc	ccctcaacaa	ttgcccacca	ccattctca	300

cacaaatgca gtgggggatg aacctgtagg gatgggtaat cagcctgaaa ggaacaattt 360
 tgcatatgtg taaaatctga aaaaataaat tattatt 397

<210> 563
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 563
 gtgggggtctt tcagatccag taaagaagat caccctcacc gatcccagtg gcatcatccc 60
 atcttttgaa ggcctggaaa gaacaaaaat gtggagaaaa ggaacatttt cttccgggtt 120
 gagctgagac atcatcttct ctggccctga gacatcagag atcttgcttc tcagggtttt 180
 ggactcatgc caggactcat acacattatt agctccctaa ttcacagccc ttcagattta 240
 gactgaatta caccatcagc gtttctgggt ctttagctat taatagcaga cagcagatca 300
 tgggacttct tggactcctg aattgagtag tcaattccta taataaatct cttcatat 358

<210> 564
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(351)
 <223> n = A,T,C or G

<400> 564
 aactgaggtg gcagtctagt aagatttaac gatactgtct gactggagct ggaaagcagt 60
 gagtatggct gctatcggag aggagagaga aaatcaatct ctgtgggctg ctattatcca 120
 gaagaaatgg agagctccca atgaccaggc attccaccga gcaacagggc ttacttgcct 180
 ctgctctcat tgaaaaccac acagagcatg caacactttg ctcactccaa aactttatga 240
 ctttcttcan tttcaagcaa tgttgaatgc tgactcaata agatacaacc aaaacaactt 300
 gttgatgaga caaagctgag tttatttttt accatggtaa aagtgaacgc t 351

<210> 565
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 565
 actccccag gagcacagca agttctccag ggtgcgagaga ggcagtggag agtcttcagg 60
 aaaccagggt ccgaagcctc aaaacactca agttctcttt tcctacaaca gaccagcctg 120
 tgaatgttca ctaattttca accaaatgat gtgctgtaat caattacact ttaattactc 180
 aatccagaaa aaagcgatca cttaaataag cctcatggtc agagaatttt ctaaaaattt 240
 caaattgctt tttttcccta aaggaatgta ataggatgac aataaaaagat cctcacgaat 300
 aaaaatatat gagaataaaa tcctggaagt aggactgtaa taaaagcata actccaaaaa 360
 aaaaagggg ccngnggggc caattcagnt tgganttaac cgggntgaac ttgtttaaaa 420
 gggggggccc ccc 433

<210> 566
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 566
 gtttgcatcg ccagcttcta tatattacgg cctttttttg 40

<210> 567

<211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 567
 ggtgaatttg ggacccaaac agttaagcaa ccagccaatt tgcttccttg ctgcctccca 60
 gccaaggaga tgaatggaat gcacatgagg tcgcttggca ggcatccaca ttcctatggg 120
 aatgctgcag cagccagagc tttgggacat gaagaagcaa atgtgtggga gttatggggc 180
 aaactgcaaa caatccaaag tcccgaaaaa atgcatggag cctccttggc ccaaggatgc 240
 tctgcagaac accggcaaag accctgccct tgcccaaatc aatgatagag gcaggactcg 300
 gcactgccct gttctttctt actgctgcca aggccttgaa tcgtacaggc cacttncagg 360
 actactgnng atgtgagcca tttaaaagaa cttcaaca 398

<210> 568
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 568
 atataagaaa gattggagaa ctgtgtgcct ggcaattgcc ttgctgaaag gaagccctca 60
 gaaaaagtgt tttgatggtg agagctggcc aagccagaaa gacaaaccaa gcgactttga 120
 gtgggggctt tgtgtcacaa ggcatcagta gacctggaga ctgagttcag gcaatcaatc 180
 aatcaatcaa tcaatcaggc ctacagaatg aaactccaac taaaaactgt ggacaccaaa 240
 gctcagctga tttcctggtt ggcaatactc catgcatatt gtcacacatc aatgccagct 300
 ggtcaagtgg tagaggacaa taaaaagttt tcacctttgg 340

<210> 569
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

<400> 569
 catcagaggg ctccttggaa atgctagata ccaggaagaa agggaaacctg gttaaaaagg 60
 aaaaaantaa aagggaaagc cttttgnttc caccaattct tcaagggaacc aggaaaggga 120
 aaatatattg gaaaaagggtg gttttgggag ggaaaggaaa aagggccaaa agaaaantaa 180
 aaggagggca ttttaagtant cccgcttgca aaagctttgg aaaaaagaaa gccaatggaa 240
 agggatgcca cgtttttaaa aggtccggta ggaaagaang gaaaaggaaa aaaaatttta 300
 agggaaaaaag ccgccatgct tgaaagaaaa aggggggaaat tantgggaag gaccaggaac 360
 catgccaaaa ggatccaagg aaaaaaggta ttcttcaagg gaaaattcaa aaaaggcctn 420
 tttcccagga aacc 434

<210> 570
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(483)
 <223> n = A,T,C or G

<400> 570
 tgatgatata cagcaggaca accagtcctg aaaaactttg caaaattgat cataccctgg 60

tgctcctcct	ttaacagaca	tggcagcccc	tgaattccag	atccagcccc	gcctcccagg	120
tctgctctat	cttcagcctt	acaggaacct	tgggcgggtgt	ctcctgactc	aaccatgtgt	180
gacaagaata	ccagctttcc	cccattctctg	agcttctaac	gttttttatg	cctccccga	240
cttcaaaaagt	gttaagagtt	cccattggga	tggtgaaatg	ggccattcct	gaatgggtata	300
ataaatctca	ccgaacttca	ggcatgcctg	tcattcagcca	agtcctctgg	tggggctgct	360
ggcatttgaa	actgaggctt	ctcacaatgg	atttcaattt	nttcggttct	caagtcaaac	420
tttaagttan	tttcaagggg	tcactcttgt	gttaattagc	ttttganggg	agagtcacaa	480
ata						483

<210> 571
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(676)
 <223> n = A,T,C or G

<400> 571						
agatgggggtt	tcgccatggt	gcccaggagg	ggcctcaact	cctggggctt	caaagtggaa	60
tcttggtctt	cccaacaaca	accaaccggg	ccttcggggc	ctccccaaaa	gtggcttggg	120
ggaatgaaca	agggaagccc	ttcttctttt	tccaacccaa	gccgggaagg	gaaggggaaga	180
acaaggaatg	ccctttccaa	gccttggtt	gggcttgggt	cccccaagg	aacccccaac	240
ttggcccat	tggaagaagc	cttgaccgaa	ggttggttcc	gaagttgcca	ccgccaaagg	300
ttattgtttg	caagcctttg	ggaagaagg	ttgccaaagt	ggaccctgtg	cccttgaagg	360
gtcttaacgg	ggccccaaa	atgggcaaga	atgaaggggg	ggcttcaa	ttccaaggct	420
ttggtcttgt	gggggggtg	cccttcctt	gggacacaaa	gggaacttgc	ccaaaccctt	480
tgtggttgg	aatgtgaagc	ccttcaattg	naaaagggaag	aacaagggtg	aagaaaagcc	540
ccttgaantt	gccttgggtg	ggccttgtaa	ggccttgcnt	taaacttgtn	aaatacaaga	600
atnaaatggt	ncccaaagc	caccttgggt	ggggcttgtg	gaagcctcct	tcaaaccctt	660
gtnaaaaataa	caaaaa					676

<210> 572
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 572						
ttcaggaact	gagtgtctggc	cctggtcaca	ttaagggagc	caactgggtct	ggctttgggt	60
ggttangtag	gaacatttta	ancaagccct	tcttcnattc	ttgggcaaan	gttcaaattt	120
ggtcaaccaa	aagccgcttg	gcattcaggg	aataaaggaa	accctttcaa	gccaaagcca	180
accaagtgg	cctaagcctg	gtggaatcct	aaatggaata	aacccttttc	catttttcat	240
ttttcattaa	ttttaagaat	tttaataatt	taccctttct	ctttcttatt	taaaaatggg	300
gggccttagt	tgtcccattg	ggaagggagg	tcattaatga	aaaattattc	tttcttaaaa	360
aataaaaata	ttattttcaa	atattttttt				390

<210> 573
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

<400> 573

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ggattctacc atcaagaaaa gaggcccaaa ctttctattc attcatgggt ggaaggtga 60
angtgggtctt ggagtgggaaac tggtaaaatt ggcagaaacc caactttgga ggaaagcttg 120
ggatttttttc acccttgggc cccaaatacc ttaccgttgg ggccttgcaa aggaagccac 180
ccaaagcacc caagaaatca cattattggg gacctatcac ccaaagaag aagaagacta 240
cttgcggcgg aaagaccag actattcgaa gaagctggaa gaagaaagaa ggtttcccca 300
agtgggcttg aaagccttgc ttgtgcttgg tatttcttca tcaattgttg gtgttttgtc 360
ctaccctgga cttgngggaa aaataaantc gcttgtttgg gttaaagtaa atttaagcag 420
ccaaaagcaa ttgcttncca agccgaagg cctccttgct ttcaaggaaa agaaacccaa 480
aaccacttac cccttgaaag gggccaggcc taagccctgc aagccccttn cttttgcang 540
ggaggccttt ccctttgccc ctggggcntg nttnttnaca aaaatcgggg gtcttggggc 600
ttcaaa 606

```

```

<210> 574
<211> 468
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

```

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<400> 574
gagatttctc cctctgcgct gaggatctca ctgtgcacct ccagccctgg gtcttgggtg 60
gctctgggtg cactggagt ctttggaact gcctccctct ggctctgctg gggttggatt 120
cgggcatcga tgtcacaccc agcaggaaca actggggcca ctggaggatt cccaaggaca 180
caggttgtcc ttttcatgca ggaagaatct gaatcgtttc catccagttt ccccgcatg 240
cagcagaata caacacaagg ggctgcggtc ttctctgact cttaaggccc ttggaagatc 300
ctgttctgcc aaaatcaggg tgatttgggc aagcatcctt agggctcttg accttaattt 360
cttttcctgg gtgattgatt gacatatang ngtcctaact cacataagtt gnaaaacaaa 420
atgtggggga aagggcnttg anaccaaana caatgttatt gtcctgaa 468

```

```

<210> 575
<211> 403
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

```

```

<400> 575
aaaaggctaa cattcttgaa aaagagaaga tgtatccaat gggcgctttt tcttntggga 60
atcgagctgc cattcgangg acattcactt gggccagaag atcgtagcga catggctgct 120
caaacgaagt ccagatgccc acatacctgt gctctttgcc gtcataaaac tggaaactac 180
gcatttgctc cgggatatcc tgttttttta tttcacaacg agatggaact ggctgaaact 240
ggacaacacc attggaccac actgggactt atttgtgatt ggcctcattg ttcttgggct 300
gattttgttg cttagaaatc accaggggta ggatgaggat cacaggaaaa cctgctcaca 360
ggaatcaagt tcacttccan gnattcccca ctaaataaac aag 403

```

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<210> 576
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

```

```

<400> 576
ggaatataga ggaatatga atgacatcac agcagctgcc ttggagccct ggagcctgaa 60

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gacatttgag	atggatacac	ctaaggagag	gaggagaagg	tggcaggcag	atttgaaaaa	120
aatgtggatt	accattaaaa	aaggatttgt	aagcaatttc	agaaatataa	tctccaagcc	180
tcaggaatta	ttttaccctt	actttttaag	aactgggtatt	attataactca	taatgagagt	240
cataaattat	gaacaagaag	aagggttggtt	attattattt	gtttagtatt	accagccttt	300
tcaattccac	acaagagggg	aacagaaaaca	aagctgtgag	gatacccttg	cagttgnaca	360
ttcttgggaa	ttttgcattt	aacaagggaa	aggatcatca	ctgnaaatat	attttcaant	420
tggnaacaan	ctgagactca	taaatggnga	ttntntgaca	cataacaag		469

<210> 577

<211> 371

<212> DNA

<213> Homo sapiens

<400> 577

gccccactg	gagaagcggc	aggcctccac	tgaatggctg	aggtccttaa	ctctcctgcc	60
agtcaatact	gtctgcctgt	catattgccc	taaccttggg	gaagacactt	gtcaaaatga	120
acagcgacac	atgcttctga	ctcttaaaga	actaacagcg	gatcctggaa	atggaagctg	180
ggtagtaatg	gaagctactc	tcctacacaa	ctgagatttc	tgatcccaga	ccccaaaata	240
taggaataaa	tgagctactg	aaccacaaaa	cccaacacaa	ggtcacacac	acttgtaaaag	300
tggctaactg	ctttcattgt	tttgcataaa	atgtgtattc	tgcaaagatt	attattaaaa	360
ataaaacaag	c					371

<210> 578

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(345)

<223> n = A,T,C or G

<400> 578

aaattccagg	ggactaatat	tggagaatga	accnaggctg	gghananccan	cctgcaaaaat	60
tccaaaaagg	acctccnggt	tggttngtct	acaaccagc	catcgtcang	ataacattag	120
actgcgttcc	aggtggggacc	atgacttcaa	ggatagcccc	cagaccaagg	gcccggggcca	180
cctaagcacc	ccagcaccca	cttcctggca	tgccctccac	tctaagttcc	cctttataaa	240
ccacctcttc	cacaggtcga	aagtttggaa	atcgctcttt	aagggcattg	aagcttgggc	300
attcccagat	cttggcattt	gaataaagta	agctctctgt	tcatc		345

<210> 579

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 579

ctacttccta	caggggtgag	cccagggccc	canggnagaa	ctngtggccn	cnngccnnng	60
ttttcnaaan	gcgacntttn	gngctcntta	ctactagagg	tcncaatata	gaatagggtta	120
tacgtcggtg	ccggctcttc	agtcccaaaa	agcaggggta	tggggccatgc	agggaaataa	180
agggntacag	aagtggcttg	acattatgct	tgatggacat	gctgtcttca	ccccaaaaaa	240
agatgccagc	aaagtctaaa	actggaaaaga	gctttggaag	atcaccaact	taacatcttt	300
gggtattttta	agacggatga	atagggtcaag	gtgagaaaaat	gagttcttca	gtggcatcca	360
gcccctttga	tatcacangc	cagaagatgg	aactacttcn	ttcccancct	nttattatta	420
aaaataggct	actnttcntc	atcccacacc	ctttctggat	atatacctatg	caaatgccan	480
cagaagatct	ttgcaactgg	g				501

<210> 580

<211> 443

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 580
aaaagaaaca tggaaagaag ggtcagggag ttggaagagg agagaacatg acatgcgata 60
cttccacttt cttaaaggca acactacata agacatctgc agcgctgtgc tggccaacgc 120
tagattggtg gatgctataa tggaaatgga caaaggggtct gtgtatcgga tgtcaacata 180
ccatgccaaag aagccatgta aatgcaccaa gagatcctgt ttttgaagtc tcctctttta 240
cacacagaat caaaatggca acatccatga tggagaagga agaggggtccc cagcccttac 300
cagccaggag aactcttgat gacctttcaa tggggcagnc atgccttggc atcanaaac 360
tcaagggagt tggctttttt tccattatgg ncatagtctg gtaacaaatc atctgtttta 420
aaataatata taactcgagc tcg 443

<210> 581
<211> 336
<212> DNA
<213> Homo sapiens

<400> 581
agaaggaagc agatgcccta caaagcccat gtatagtcac ccaacaaaat gtactggacg 60
actgccatgc accagccatt ggagctacta gtccttgaga agccacatcc tgactaaatc 120
agcagaagcc acgtcatcca gagataatgg gatggagaca ggggtgcctc tgaggctgag 180
gtgactccca tagggatggg tagctaaaaa tgaagcatag agtggcccgt tcatctttca 240
tcttccccct ctctcgggat tgctttgctt tgctttacta ttttggctcc tgagacaaga 300
agctacattc caataaagct ttcttaatgg acactg 336

<210> 582
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 582
agaggctgtg atnnctggaa tgtttaatng gntggntgat tggacttatg cctttgggtca 60
gcagctcaaa gaatgtaca attcactctt ctacaaagca gacatccagc cttgatacc 120
aaccagaac tctgaaagaa tgaaaatttg ccatctctag cagggtggaat tatcagaggc 180
ctctggaagc tgccatggaa acaagctcac taaaggcttc agcaactgct cagatattta 240
atttcaccca cagtgaatgt aatccaggca agaagtgtct acaatatgaa aacattgatt 300
agcagggggc tgcattgtga ccttgctggg tacaggcccc actttctttc tctttgagga 360
cgcttagctt gaacattcca nggggaaaga catccaaaaa gcatcgccac aaaccagntg 420
ggaagctgac caanaaaatc atgggttctg cccgcaggga ggaaaacaca gggtaaattc 480
ttt 483

<210> 583
<211> 294
<212> DNA
<213> Homo sapiens

<400> 583
gactgaggct acccaacaaa tttcccagcc ttcttgcagt gaggtgggag ccaaattgact 60
aaattctgtg tgttggagag ataaatgcc cttctggggc tgacccttat ggcccctgcc 120
atgctggcct gaagaagagg gtgcagtgga ggatgctgag gccataggga atggtggagc 180
cattagacag agaagctggt cccagaactt ctgcaagaag cagagtcctc ctttcatcca 240
taatgaccac cactgaattg acagcacagg aaataaaacg ttactgtgtt agcc 294

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<210> 584
 <211> 66
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(66)
 <223> n = A,T,C or G

<400> 584
 nttggacnac tatngtggan ccantgggca ctgngcngng aaatgcagag ctgaccaggc 60
 atgagc 66

<210> 585
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 585
 accttgagaa catgcctgga ctaccgtgct ggaggaggac agacacatgg agcatagccc 60
 gagtcccca cccggtcatc ccagcagaaa cggctcctgga ccagccacca ccagccagct 120
 cccaggcaca tgaaggagtc ccgccaagat cagcagccgg caagctgacc cacagccaac 180
 tgcagacgca tgagcaagcc ttaagcagct gaaatccacc aagatcaact gaagtctcca 240
 gttctgggtg ccagtatttc ttgttgtatg cccagaagta ttgtggctct ttgttaattg 300
 attaattaat aatcatggat aatataacag atcattggcc aag 343

<210> 586
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 586
 tgtgggggagc tacactgcnt taagtcatga acngccacct tccgtgacgc tcacagccct 60
 tnttgatgtc atccagctct tatccacnaa tcctcagctc accatggaaa tgcggatttc 120
 cccaccttca atctgccccca tcacaccagt gatgtttcag ttcactttgc actggttctt 180
 ctttccaccc agaacactct tgtgccaggc ggacccacaa cgagtctctt aattaccttc 240
 aactccttgc tcctatgtct ccattcccaac aaggcctacc cagaccttcc aatcgactat 300
 ggtaactgcc tgtctcctcc ccaccaggg ccattctccag aactcccaac cccactatt 360
 tttctccact gtcttttctt tatagtactt tatcttttaa aaaggaatg 409

<210> 587
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 587
 atgcanaaac cacggcccag ggaagacgca gcttgagcaa ggtcaccggc aggccatggc 60
 tttgcgggag gaggagctac agtcagctct ccttgaggct caccaccgtg tttggcccat 120
 ggtagatgcc cnacagaana cacanncgnt gttganggct cctgtnaagg anaanctgcn 180
 ntacaagaag gttgagtaac tancccatca ctcagctaga actggccacc ancatggatn 240
 ccanatagcc ctactccana gttgcccag ctattanccg tgacgccatg ctggctgtcc 300
 acacccatgc ctttttcctg ccttaattct gcaatgattc ataagaaaag gccatattat 360

gacacagctn gaaggcagnc atctgcaagc caggac

396

<210> 588
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 588
accagccaac acttacggaa aatagaacct acgttgaaat attgggggct ggtttcctct 60
atacaagagg agtcatgaat atttatgaaa ggagaaatcg cacatgcaca ggatgacctg 120
cctgcagaag gagctaccca ctgaaggctn cttctctgct gagagctgga cactcattgg 180
gatgaactgc ctgtggaaag gagctaccca ctttggggtct ctgagagagct gttctgttgc 240
tcagtgaagc tcctgtgcat cttgctcacc ctccaattgt ctgcatactt cattctncct 300
ggacatggga caagaactca ggaccaaagt gtgggactga aagagctatg acacaancag 360
ggctcaagat ttancagcca acaacnaaac aaaataaagc acaataaatg 410

<210> 589
<211> 335
<212> DNA
<213> Homo sapiens

<400> 589
aagttccagg ggctaattctt gagatgggca gaccaagcct ggagaccag ctgcaaaatt 60
ccagagatta tctcaagggtg gctagtgaac aaccagcca ttgtggagat gatgtcagcc 120
catgctccag gtagactgag acccaagaca gccactggaa tgagacacac agacattgta 180
ttcagtctaa ttcttgcatt ctttccatat caagtttccc ctttttaatc ctttgcctct 240
tgtctttccc cccaaattca aagtgggtcac ttggatggg aatccagcca cttcccatta 300
ctagttttgg ttaataaagt cactttcttt ccacc 335

<210> 590
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 590
gtgctccttt gacattgtcc acatctggaa cccagaacct ccttctgcgt cctctatccc 60
ccatcccaca ttctctgcct ctctgctgg aggaggctaa caccaactgt gcaagtctgt 120
tttgctacaa gtcacactat gagaagatct gggcattggg tccccatcac ctgggccagg 180
actgatccta tggacctgct cccactcctg ggaaatgcgg agataggatc gtccagtatg 240
cctgctaagg ctgatgttca gattaaatga gatcacagaa gatgggcagc tggttgcact 300
taaaggagct gggaaatgga gccagtcctg ctgtgatggg tcctggatta ccaacacacc 360
ttgctgtgga ccttggggca ganggcactt caactcccaa tttct 405

<210> 591
<211> 211
<212> DNA
<213> Homo sapiens

<400> 591
ctgtgtttta caaaggctcg cgggggagtg actatgcccc agagtccacc atgagagtgc 60
tgaagagcca aagggtgatgg acccctctga tgcttccctg ccatcagtga gagaagcctc 120
atgtttatgt attttctatg ccgagatttc actcaatatt taatgtagag gagggtttg 180
gctgtctaaa ataaatacta ttattatatt t 211

```

<210> 592
<211> 397
<212> DNA
<213> Homo sapiens

<400> 592
agatgaagaa attggggctc acggattaag tgacacctat ttttcatatc acacactaca 60
aaatctcaaa cacagtatct caactcatga aacattcggg cctaagatat caagtgcaat 120
ctgattccag cctgtgcatt ttgacaacct ttgactgctc tgccaatcgc cagggtgcccc 180
tctccagccc agtcagtcgt ttctggctcc attcataact ctgccggatg cctcattaga 240
gaagtgtcct gagacttctt gtgagatatg ccttcctgag acctacccaa tgtgcccattg 300
ctgactccta ccagacagct gagagaccaa ctcagagaag aatagcaaag aaagcagaaa 360
atgggaggct ttatcccagt gcccaatccc tgctagc 397

<210> 593
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 593
ggacctggga gtgcgacatg gtggcctcag gggaaaaggg ctctcgtcta gaccttctga 60
ctgtcctctg gatcttctct gtgtccatgc ggggctgctg ctctgngctg gccccagggc 120
ctttggccag tgtccatgag acccggaatt ccagcaacca gtttgacaac tcctacagag 180
aaacaggatc cacataagga tacagcttct tcatatccct gtccatgact tcaccctgcg 240
ttctttcaac caaatcaaat ggtggtcagg gcctcttgag cccaggcctg caccgtatta 300
cattccaaga tggcattgaa agtaacttga gggaaatcac caaaaagaaa gtgaaactgg 360
ggccggggtc ctggccttaa ctgatgacat taccttggga aattccttct tcctggctca 420

<210> 594
<211> 316
<212> DNA
<213> Homo sapiens

<400> 594
gagtatgaag ttaaacaac aagagaagat gaaggaggaa aagaagaaga tggaggagga 60
caaagttttc agaagtgtt attagagcta ttacatgcc aatatctact ctgtgggaaa 120
agcaaatttc acatttttat caactctgta ttctacatc tgatcaagag atgttagaag 180
ccagttcttg agaatggcag gaccacctg tggacataac ctgggtcggg gaatgactgc 240
acggagcaga gtcctacctg tcaagacgtc agattatgat gtgaataagc aataaacata 300
tattttgtta actcac 316

<210> 595
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 595
aanagtgtnt ggcatactat atgctaatac aacaggactg cggctcttata cgangaggaa 60
nactctctnt ccaccatgan aagacacaat gagaaggctg ccatctgcct gccanaagga 120
gagccctcgc tgg 133

<210> 596

```


<211> 397
 <212> DNA
 <213> Homo sapiens

<400> 596
 gtaaataaac tttctgcctc atgactcctt cccttcttcc ttctttttca aatgctcaaa 60
 tctgctgtag attttaacat caagaaagaa ccctcatgct tggaaacact gggaaccact 120
 ggtgaagagc aagagccctg ggaagaatca ggatttctact tggcctctgc cactgacgtg 180
 cggcattgact gtggaccagc gacctgcacc tcttgtgccc cagtttactc ctctgtgaaa 240
 tgaacactca tgcgagatga tggctagact gtcaccaggc ctcttatttg ctagtacggc 300
 gccctctttg accagcagaa taaagatgga taggtgttct acctacatac agtcatcaaa 360
 ctcacataac tgtgagcagg aagagagaaa agactgg 397

<210> 597
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(318)
 <223> n = A,T,C or G

<400> 597
 gtaatccaca tgccaaactg aattttaaatt tcctggattt attgtaagac agaaaagcca 60
 aaaaaaaaat cacaacacgag aatttttgat ttcaaggaaa tgttcgattg tanangacag 120
 gcncttgcca aaanangnga gggctatgtn aagatnnagg cnaagggtga antgntgctg 180
 ccacnagcca aggancacca cganccacca caagctggan aaggcaaaga aggantcttc 240
 cctanaatct ncanaggaag ngtgggcctg ncaccacctt gantntggac ttctggcctt 300
 cggnnctggc aaagaata 318

<210> 598
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 598
 ctgagaattc attctgaata ttgacagata cataaaactc cagggtgtaac tccaagcaaa 60
 acatgatgaa agaggggaatt tggataaacc atggaatgat gacatcacat tgagcaccat 120
 ctggtataaa catttttctg ttctgcagtg accagatgaa ggaaatatgg tgccgtgtgc 180
 ttcttcagtg attaatcag gaaagccttt gctgagctga aatccaaaat aggaagaacc 240
 caccttccac atgttcaaga agcttgtgat cccagggatg acactgccct ttctctctga 300
 aggaaagaag tttcccctga ccataatgcc aaagctacaa acacttacat acctccataa 360
 ttttgcactg aact 374

<210> 599
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(366)
 <223> n = A,T,C or G

<400> 599
 gagcttacag tccagcggag gagccaaaga agtaaaaaga gatctgcaaa atgaaagtat 60
 cacaagagag gtcaactcaa gatgctatatt cccatcagaa cagaagtcac ccttgactaa 120
 aaccacaact ttaacttgg cccaacatcc agtgccttgt cccaggggt gcaaatatgg 180
 actgganagg accccaattt atctgccctg ccctgaggtc tgggctggga tatagcccag 240
 gtncatcta tcctgagggg ccttcagat ggacacatgg acagccagtt ctggtcccct 300
 gacttactcc tctgtagtga aaacagactc agtaaacaca agctgaatta aactggccaa 360
 ttgttg 366

<210> 600
 <211> 240
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (240)
 <223> n = A,T,C or G

<400> 600
 gtcttactgc ctattagagc aaaggaagag gaaatctttg gctaaccggt cagagaaaaac 60
 aactggatta aacaagatac tcttcatgac tgtggttgca aaaangcaac acaacttttta 120
 aaaatcttag tactaatttt taaaaatggc ttttaatttg ggggagactc gataacagaa 180
 cccgaaaatc tgatgaattg tatgaacatt ttgttcagaa aaataaacat atattaccag 240

<210> 601
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 601
 ttaattctca cagaaactct tggaggtagc tgcaagagct gctagggacc tcgattagag 60
 ttattacata tggaccctca tgaatcagag gaagaacgag gcctggagtc atgaaggggc 120
 ttaactgaag tcacaaggct cacggcagga ccagtatcaa aatagacccc aatgtgcggc 180
 aggtcatca gtggaagtga cttaccctgt ctcagatgag gctttgtact gtggactttc 240
 gaggcacatg ggagcctcgg tgaccaggga ccagtgtgct attccttatt gtgtaccatg 300
 ccagaaggaa attttaaaat cctgaaatac tctttttgat ggctggaaga aaaatattgt 360
 aaattggtaa tacagagaaa atctgcta atctgtcaagg aattttggac a 411

<210> 602
 <211> 233
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (233)
 <223> n = A,T,C or G

<400> 602
 gttcatgttg ctgaggaggc agagggctga gttcttccat ccatcgccct caagtgtcag 60
 gcggcttccg gttggacaag atggctaccc cagngggcct gtttctctc tggtctcttt 120
 ttctgtctaa gactcactcc ataccagcct gagcttggga ccattgtttt gtcctctca 180
 tctctctacc cccagagctg acagatttag caaataaaat ttacaagatt ctg 233

<210> 603
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 603
 ttgtatcagc tgaagagcgt agaagctgtg ccatcccagc cattatgagc atctctcatg 60
 cccagatctt cgtttctgaa tttctctttc cactagaaga aaccatgaga gaaatggcga 120
 gcctgagatc ctttattgca ccaaaagcaa ggaagtatgg aaggagagct gagggttgc 180
 caggacattg gccgacatgg tctctcactg gtcaaacttg ggatgggttg aacatcaata 240
 aagaatatta atgac 256

<210> 604
 <211> 290
 <212> DNA
 <213> Homo sapiens

```

<400> 604
aaggctgcat ttctcaggca taagctcttg ccagccattc acggtgatta cggaagggtt 60
aagcattgtt gggactcaca aaacagctgt gttaagcatt actacctctg aacgcttcag 120
gaggaaagcc acattctcct gtggaaggaa atagttgcag gtgatacctg ctcccttcac 180
cttctgctgt gagtgggaagc tccctgaagc tctcaccaga agcagatgct ggcaccatgc 240
ttcttgtaga gcttgaggaa ccatgagtta aataaacctc ttttctttat 290

```

```

<210> 605
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

```

```

<400> 605
gctgctggtc tgcaagtcca gggaccatac ttggagtagc aagccccag ggaaggacag 60
actttaataa gaagaggatc ccctatgaaa attccaactt gagctccttt gttcattcag 120
acattcatac aaataccaac tgtggggcaa aactgaaga tttccagtgc ctatcccaga 180
aatctgcact cctgttcctg ccaaactcct gctctgcgtc atcaggtaat tcccagcaaa 240
aggcaaagtg tctccatgag tcaacttcgt ccaacgctta aatggngttg gcttcttagc 300
tatgacaggg acatcacaga gcacctgggt gaggctgtca ctctatgcaa taaccagctt 360
tcggccaaat gaaagacagc accaaagtca tcaccaactg actc 404

```

```

<210> 606
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

```

```

<400> 606
atgaggaaat tgaaatccaa agatattgat gacagaactg ctaagtata gagtcagcac 60
aatgcctgga tggaaattca cttccagaac cacatcttca ccacaaacat tgctgtcagg 120
gctctccagg ttaataacct ttgctgggtg ggttctccan aatcagctgc caaaacagag 180
tctgagtttc aaggtactta ttagggatca agcctctgtg aagacacagg ggaagctgaa 240
ctgtgagggc agcccacaga agcctccctt gccctgcagg gagctctgga gtgaatactg 300
ttctgtccac cagagctggg cccagtgagg caaacaagac caggcctttg cacccccacc 360
tcactcaaca tcaagctgtg tgggttggtc taagaagggg tc 402

```

```

<210> 607
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 607
gcaaaaccat caacggatgc tgacatcagc gagcaaaagt gtgatgaaga acggcgattt 60
gcatcgtttc aaagtatctc tccatgagat acttactaat ttcaaagggg acaatggcca 120
ggtgaagcct ggcagatgtc acttacactg agtgatccat gttgccatct ccagggtgac 180
acggngtgcc tgtgacatga agcgccaagg ggaacccaat gtcatttctg gggttcttcc 240
tgccccaaac agtccatttg gttaaactca cnagagtgtg tgcttgctga ttagctgat 300
tctgtatggg tggggatttg gaccaccctt tcactactca aagtgggggtc ttgtacacca 360
gcagcagggt tacctcctta accccgagct tgtaagaaag c 401

```

<210> 608
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(242)
 <223> n = A,T,C or G

<400> 608
 ctgagattta cacggaacaa ggaggtttgg ctatcgttac atgagagaac gttacccaag 60
 gacaaagaag tttcacagac ttcccctgga cccttggttg tgcccagatg tctgcggttc 120
 cctgtcactt aaatataaaa gacaaggcaa agctcgcata attctaagat ggttcttttag 180
 gacattggnc tgcttcttct tggtttcctg gctcccaaaa ataaagtcgc tttccttcct 240
 cc 242

<210> 609
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 609
 agccgggctg attgtgtggc tgcagagaac cctgggtgctg aaaccctcag gacccctggg 60
 aggagagatg gctgccactc caaagaacaa gagccagagg gggatttgag ctggaaccta 120
 caaagccctc agaaggcatt cgatgcctca ctggaatgcc catcatttca catgtcccca 180
 gtccccactt atccccctcc actcctatga cactgctggc ccagcatggc gtgctacata 240
 caggtgggaa tctgtccata tcaataatcc aaaccatctt ttcc 284

<210> 610
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(157)
 <223> n = A,T,C or G

<400> 610
 cttagaagcc ttctgcttga aaggacgctc acagcccttn ttgatgtnat ccagctctta 60
 tccacgaatc cttcagcttg accatgggna atgctggactg tccccctttc gtagtggcnc 120
 cagtgaagaca ctattntttt aaaaataaaa aagagca 157

<210> 611
 <211> 345
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A,T,C or G

<400> 611
 gcattcatgc ngcctcactt gctgggaaat gagttcacac atttgagatt tccaaggaga 60
 gtacagagaa aggagcttgg aaagaanatg ctctacaggg actttaatat gacaggctgg 120
 gcatacaaaa ccattgagga tgaggacttg aagttccccc ttatatatgg agaaggcaag 180
 aaggcccggtg taatggcaac tattggagt accaggggac ttggggacca tgacctgaag 240
 gtgcatgact ccaacatcta cattaaacca ttcctgtctt cagcttcaga agtaccgcat 300
 gangtthttt ttttatatttt gngcaataaa aacatttttca gcggt 345

<210> 612

<211> 429
 <212> DNA
 <213> Homo sapiens

<400> 612
 aaggtgacta cttggaacgt tgacttgaga atttagaagc cgaatcaatg ctccacggag 60
 aagcatgctg ggattgattt gtgatgtctg ccacgaatat aagattggcc atttggggca 120
 tgaatgctat tcatggattg gatctcctaa gagcccgaat ttctgagaaa ccactgaaga 180
 cctgacccca gcgcttaatt atttctcctt tccaagcatc tctcatggaa ggcatcttgg 240
 atgaaaagac ctttggcagc gtgggttttg cagggttgctg gagagccagt gggattgcat 300
 cttttgcaga ggacaggtcc ttaagggcaa aatcgcttaa gagtcaaaat ggccttgaaa 360
 attccttggg aagccgtcat gttggagcca accactattt ctcaataatt tcagcacaag 420
 ccagttttt 429

<210> 613
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 613
 cacactacaa gggctctcaca gaaaacactt gatggaatct tactagacta actgtatata 60
 ttcttgagca cactccaaga cctgggagag gcagaaagaa agaagaaatg caagtctaca 120
 atatgagata caaagtttga atttactggg aaagcaaaga gaacacatcc gaacaaaata 180
 agaagaagaa atgggtgtgag tattgttgca ttgcgaatgg aatggagaac aatgaaatga 240
 gggctagaag ccaaaccgag ggtgaagatg gtcaaaatga ggaagataat ttatctttta 300
 tcaaaaatat aataatcacc agaataataa taaccataag aggtcaggaa cagaagaagg 360
 gtgaaaacag agtcaacctc aaangcaaac ctagtaccac agaaccaggg atggacaa 418

<210> 614
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(362)
 <223> n = A,T,C or G

<400> 614
 tttttcaaaag acaaagatga aataaagaca ttacaaaaca tatagaagct gcaaaaatgt 60
 atcaccagaa gaccagcatt aaaagaaatg ttaaagtctt tcaggcagaa gaaaaatgaa 120
 accagataga aaaacgtatc tacacaaaga agaagagcat cggatttgta gtcactccaa 180
 tgcttccctca tcaggaacct agaaagctgc taagaatcca tctcaccag catcaaattc 240
 cacagcccta atgnatccag atatactcag aaatctacaa gtcatgtcaa cttctatgtc 300
 tttcacttgc cccaaactct gtgccaggta ccatgggaga tgaaataaac atttcaaaca 360
 tc 362

<210> 615
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 615
 cctactcaca agaagatggc aaagatgaag actttttatga tgatccactt ccacttaatg 60
 aacagctgaa gccccttcac cttctgcat gagtggaagc agcctgagga cctcaccaaa 120
 ggcagattct ggtgccatgc tccttgtcca atctgcagaa ctatgagcca aataaaccat 180
 ttttctttat aaatt 195

```

<210> 616
<211> 170
<212> DNA
<213> Homo sapiens

<400> 616
gagctgaaca ctgccccgag aatgcaacag aacttcagct ctgtcccagg gtcgtcagcc 60
acagctccaa gtttcttagc atcagctttt tctgaacaaa atagtgcac ctgctggaat 120
cactactgta aactgagtat aaaggaaaat aaaccctctt tttcttatcc 170

<210> 617
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(98)
<223> n = A,T,C or G

<400> 617
atgcagcant aagatgcnat cttggaagcn caagacggac ctctctntcg ngagacatna 60
aacctgccag caccttgatc ttggactttc agcctcca 98

<210> 618
<211> 270
<212> DNA
<213> Homo sapiens

<400> 618
gaaaatctct cacaagaag tcattctccta gccactgtga tatttgccac atgggatttg 60
agatttcaga tgaagtcctt atgccccgtg ctggctgggg agtgtggact atgagcatga 120
gagagagctg ccttctcttg gaacaagaac tggttggtca tcccataggg tctggtctgg 180
ggtctggcac agcgttttcc tcatagtgat gttcaagaaa tgtttgctaa atgaataaat 240
gagaagatgg atacagactt attaaaatgc 270

<210> 619
<211> 418
<212> DNA
<213> Homo sapiens

<400> 619
gttggttccca tattttccat aagagagaca tgtgtcggct taaaagaaat gaaactacaa 60
tggtgtgagg gaggaatctc gtgattgtta gcgtatatatt tctgcattct acctgaaatt 120
gtcaacgaag tgtaggacct aggtcagtcg ctgtctcata gtaggtacct aactaactac 180
ttgaaagaat gaacatcact atgaggaaaag tacaccatag tgaccatttt acagatgagg 240
aaatggaggc acagagaatg agatgttgta atgtgcacag ttggagagac cactttctgg 300
cactcggata tgcaatataa ttttgaaaaa ttaaactaca tgctcgagga aggattcaac 360
attttccgga gaaccccagc attttccctc agaagactaa aattagatcc tgttttaa 418

<210> 620
<211> 423
<212> DNA
<213> Homo sapiens

<400> 620
cccttggtac ctgcctcttt ggaaggcacc tccggtcaca tcaggagcat ggatggggcc 60
ccacctgcat acacatggag atggactcat cctccagcta ctttggatac cgtggctccc 120
atttttctac tttctctgaa ggattgaagc caccttgccc agaagtcacc gggagttagt 180
cctcctccct aaggatggcc cacagccagt gcctcatcgg agcaagaggt acagaagccc 240
tgctccctca tctgaagatg gggcaggctc cgcagtgcaa tccatgcacc cgagctccca 300
tggcatcaga ctgacattgc tggaaagccac agtcttctc agcttctcct tccctgtcct 360
gcttccctca ctcccttatg gttttctcct gagggcactc ccttaataaa tcacttgcgt 420

```

caa

423

<210> 621

<211> 205

<212> DNA

<213> Homo sapiens

<400> 621

```
gtttttcctc caagtcttga ctgagactga gtctacatga caccaaaaca cccaaacgaa 60
aaagaaaaat tcacttgaac cacttagatg tttcttcacc aaatccagat gtttggcagt 120
gcagataata cttctggata atgagtgact cccctacaa tcaacacttt catcacactg 180
ctttaattaa aaaaatagtt cccat                                     205
```

<210> 622

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(418)

<223> n = A,T,C or G

<400> 622

```
aaagaaaaac ctatggaaaag atcctgtgct ggaagaaagc atgaagtaat tcaaattgact 60
aaaaggctctt aaacatcttt gccatcattt ataatgcaga cttcatgctg agaagagcac 120
tcgacactgc caccgaagtt ctgtttctgg tggtgttttg tcaattatgc tgatgccacg 180
ggaccatgga acagtgccac tatttccaag agcaacagca aatcgaaaaa tcttcatgca 240
atgggtgttc tagaaaagtc tattacattg gtttatgctt taaatatagt taccaccaga 300
gtagtaattt tccaatctat cttttaaag ttcaagtgtt ttattgcatt ttttaagttg 360
naaaaagaat ggatggtncat catatcctta acatagnata taaaagcact actcaata 418
```

<210> 623

<211> 156

<212> DNA

<213> Homo sapiens

<400> 623

```
aaacaatatc tgctcttggga gtcactgcc acaagggaat aactttacct ggaatatgga 60
ctgggagctc aagccaaaag catggacaag ggagtcccag attacaggat actattatga 120
cttttgcata aatataaact cctattagat aaattg                                     156
```

<210> 624

<211> 423

<212> DNA

<213> Homo sapiens

<400> 624

```
gcgtgaaaga cgctgaacaa atccctgtca gctgcacagg tgtctttgta acacattgcc 60
agtttagcgtg acaatgcacg ggaagcagct atgctccagg ttgtgctcca gctgctcagc 120
attgaccctg ccccatgccc tctgaagaag cagctttgcc gaaagtggag ggccagcaaa 180
gaaggaaact gaaagcaggt gtccagggtg tgaaattggc acagaacacc aaaggatgga 240
gctgagattc atgcctgggc tgcctcccca caatccctc acgttgaatc caaccctgac 300
ttttgtgtcc caccgaggaa agaagaaagc caccacccc agtgaccatg gcctctaact 360
gctctctctg cctgtggaaa gccagtggat tgggctagga taaaaatgcc ctccatcgat 420
ttt                                     423
```

<210> 625

<211> 263

<212> DNA

<213> Homo sapiens

<400> 625

```

gttaacacac actaaagggc aatgccatta aaggagaaga ggaacttttg aaactgctgt 60
ctgaaaggaa agcaaagcac tcttcattaa cagctagtgg gctcctaatt tctgcccatt 120
aaggcatgtt catactgaca gagcaccccc tcaaggggaa gaaccatccg cgctaattct 180
tggtgtcctc ttctgagcta gtgtgctcat tgttcataca aactagtgtg tcaacattaa 240
aacaaaaagg gagttgaatc aat                                     263

```

```

<210> 626
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (411)
<223> n = A,T,C or G

```

```

<400> 626
taatacacaa tattggcaac aatgcaacaa aatggacaca ctctactctc cagcgggagt 60
ttcagaaata tgccataatg gaacaagata actaaaagaa gaaaactacc tcaagggttaa 120
aaaaacgaaa agaagagaaa gaaaaaaggaa aagaagcaga aggaagaact ctgctgcagt 180
actggaagca ggcagattat ttaaattacg gtggtgccat ggaacaagag aaggcagatg 240
aagagcgaca cctttcaagt taacacagga acaattaaca atagaatcct taagatgcaa 300
aactccttgc tgtttaccag caccagaana gaggaagaag nggntctggg ggaattgcgt 360
gccantctgc ggcagggttg ctggaaaanc anccctggtt ggagcttttg a          411

```

```

<210> 627
<211> 121
<212> DNA
<213> Homo sapiens

```

```

<400> 627
aattgtatat ttccacatat gctggacaat aggcagaaag tggagaccca aagaacttgt 60
gatatgacgg acatgagaag cttcagttgg cctcaaattg caaataatat ccttcctgaa 120
t                                     121

```

```

<210> 628
<211> 196
<212> DNA
<213> Homo sapiens

```

```

<400> 628
gattagagggc cttctaaaaa gagttgcttc ggagctcact gtctttcagc catgggagaa 60
tatagcagga aggaagcagt cttcaagcaa agaaaagtgc tcgtgaaaga agagctgaac 120
cctgctagaa tattgatctt ggactttcca gcctccagaa ctgtgagaaa ataaatttat 180
gttggtttaa ccatgt                                     196

```

```

<210> 629
<211> 161
<212> DNA
<213> Homo sapiens

```

```

<400> 629
gagcagatac tcagctgaga aaagtacgaa aacagatctg caaggacatg cagtggaatg 60
tgagtgggtt ggctgggaag ctcacaatga agaacaaatt gcaccacaga atggctggaa 120
aagttaatta aagcaacctc accaataact cagccagtaa c                                     161

```

```

<210> 630
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```


<222> (1)...(444)

<223> n = A,T,C or G

<400> 630

```
cnaactgaga ttttacacaa tgttgtcaaa ctgtgctgga agatgacctt tccaagaat 60
ggggatgatt cattcttctg ggaggaaaag tcctattggc aaaggattct tcttcccttg 120
tatacatgtg tcactgaaga tcagaacctg cactctacgc aacaaagcaa cagatgaatt 180
tttacagtgc tataagtttt aagcatatag gaaagaaaagt ggaacagtgg ncagagtctt 240
gggtttggcc tcagcaaaat ggtgcttaan agtgacagcc ttggtgntaa cagataattt 300
tcaaaactca caaaaccatc aaatnangaa tccnttgngt gccatttctc atccattggc 360
aatggatcag gcaactgtta gctattctaa gtgaaatttt gtgaaatttc aaattcagtg 420
cttttttaac caatattaaa agtg 444
```

<210> 631

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(421)

<223> n = A,T,C or G

<400> 631

```
gtgggggtctt ncatgagana cnctaaagcc tcctgnnana nctnccanaa ttgtcaggat 60
tctncaagat gatngggcng anggtatttg aanacantga gttnggaggg ggcacacagc 120
tggagaaaagc tcaaagtgtc tgatgccaan aagttcattc atggaccatc caccctnctg 180
tccacacacc cagtggacgg agacagctgc cctctgctaa ggatttcgcg atgggggaga 240
gcctggctgc tgtcagcag tccccttctt cccacctctt ccaactaggc tcttgagaat 300
gtcagctacc acacagccac agctaccaca cacctgcttg aagaggagac accaggacac 360
ccatcaaaaag ccagaactgg catctnccct gtgggaagtt cttncttggt taacctcaat 420
c 421
```

<210> 632

<211> 246

<212> DNA

<213> Homo sapiens

<400> 632

```
aaactgaggc tctcccctag actgtgagca gcaaaaggaa aacaacccca cctgccttga 60
ttcagatgtt ctctatcac cagcacagtg cccagcacgt gggaggtatt caactgctgc 120
taactgttga acaaaccagc cgggtcatct gcaaaatgac tgtcctggac tcctcaaaaa 180
tgtcaactca tgggagaaaa aaaggctggg gaatcattct tgattaaagc acaccaaaaga 240
gacatg 246
```

<210> 633

<211> 165

<212> DNA

<213> Homo sapiens

<400> 633

```
attggactac tagagtgaag caaattgcc aattgtggag aaaagcaagc tcacaagaaa 60
gagcaccata tgtggtattt taagaaactc ctatctttta aatattttaa tacagtgctt 120
gaaccttatt tgtattaggt taataaaaaa acaaatttcc atttc 165
```

<210> 634

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(323)

<223> n = A,T,C or G

<400> 634

```
aatgtttaca cttggagtcc agagctgccc tgttaagaag ctcaactacc ctgaggtcac 60
catgatgtca ggaagccaaa ctcgatggaa aggccattaa gtgggtactg cacttgacag 120
cccagtgtca ttcccagcaa acagtcaaca ccaacagtgg gagagtgtgc ttgaatgtct 180
acaccagtct aatcttcaga ggacagcagc tccgtgacat ctgactccaa ctgcttgaga 240
gatcttatgc cagaaatacc cagccaagct cttcccacat tcctagcccc aaagaattnt 300
tagcaaaaata aaacagttgt ttt 323
```

<210> 635

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(105)

<223> n = A,T,C or G

<400> 635

```
aattcctgtc tngagcatnn gcttnnacct tgtgtaccna gtcactctgt tgctgctgtc 60
ggtacagatc gcttcccaaa ggaaataaat tacatttcat tctct 105
```

<210> 636

<211> 414

<212> DNA

<213> Homo sapiens

<400> 636

```
gaatgaagat aaaatcaaga catcttcaga tgaaggaaaa ctaagacaat ttgtcatcaa 60
cagaccgact ctaaaagaat gttcttccaa cataaatgaa atgaattaag aaggaaattg 120
taacattaaag aatgaagaga taactatgaa aagagccaaa aaatggatca ctaaaacaaa 180
ctatctttct tcttctgagt tttctaaatt atattgagac agttcaagaa aaattacatt 240
gtctgatgtg gttctcaatg taagtagagg aaatatttaa gcaacaatga tataaagaag 300
agtgggtaaa gggacctata tccagataag tcttctactc tttacttgaa gtgggaaaat 360
gcccctagca gagtgtgatc aaaatataaa tcagattata tcactttctt gatc 414
```

<210> 637

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(386)

<223> n = A,T,C or G

<400> 637

```
aaataagtat ggatggagag aggggattat agcagagcga atagtgttga agtcttggtg 60
gggacattcc gattttaataa ctttggagac agaggatgtg ttccagctca cagactttca 120
ggaataatac tggaaattga catctaatac gcattttatg cactataatt gtgtaaaactt 180
ttaggcctgc tgtacaataa tccttccttg ctgtgtggtg agcacttttg gccctctgg 240
atgctagatg tgatatgaat gggaagcatt attattattt atgccttata atatgtcaac 300
tctatgtcct ctgccacaac ngacacttat ttcaaatgtg cagtaacagc cccaagtga 360
tgtattggca aaatattttt gaaacc 386
```

<210> 638

<211> 185

<212> DNA

<213> Homo sapiens

<400> 638

```

gacatcaagg gctccagaca ttgagaaatt ttccctttaa gttgcatgg gaatccagaa 60
aacgccatat ggacccctct atgctgtgaa atacttcagt actcaggaga agtcacgttc 120
tggttgctgc aagcgtgtga taccctgtca ttaaaataag aaatagattg ttatcctctg 180
ccaag 185

```

```

<210> 639
<211> 93
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(93)
<223> n = A,T,C or G

```

```

<400> 639
cananctggt nnntcaaata tgatnnnggc nactgaccc tgaaaaatgg ctgagctaaa 60
ataaaagctg tgtttataac gctgaaacga aat 93

```

```

<210> 640
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

```

```

<400> 640
gcctcacttg tcctctcagc tatcaagata actggtgggt atgaaaactg aactctgtct 60
tagagggttt ctttttccag aagatgcatg tttggaattc tgcaagaact cctgatcact 120
ttaaaatccc aatgccttta ttttcaagat gtacagtttc tgtcttttat caaatagagg 180
agcaaaatct attcttccaa aaaaaggaaa aatgcacaat atccaaataa attttcccca 240
gctgcttntc ggatattgga attagat 267

```

```

<210> 641
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(324)
<223> n = A,T,C or G

```

```

<400> 641
gcccacatag aaaagctgtc attggcctcc gggtcaggca agagatggga ggtgttcaga 60
gcagcaaac ctacaagatg ttggaggcca ttcacaagca agcgctgct tggaaaataa 120
cgtgggataa gaacaatgaa ataatttgat gaggaagtgt ttgtgctaca ttgaatactc 180
acgtcacaaa atgtgcttct acattatgta acttacatgg tcaaatgact ggtacatttt 240
attcctgtgc taatttgtca attctgttcc aagnggaaag agtctaacat gacttttcaa 300
aaacaaaaca agacaaaaca aaac 324

```

```

<210> 642
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 642
agacgagggg cctcgctatc ttgtccaggc gcgtctcaaa ctctggcct caagccatcc 60
tgctctccag cctcccaagt agctggaatt acagaaattg aagaatcagt tccagagaga 120
tctcctggag ggcctaggat cacagagcaa agcagaaacc acagctgtct cggaggacga 180

```

aactccagct	cttcacccag	agatagtcgt	gggctggtgg	cttcagggcc	cactagggcc	240
tttgttatga	gttttctctt	cccagcgggc	cttttattgc	ataatcaata	aaccactgac	300
agaaataaaa	g					311

<210> 643
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 643						
gataccttga	ctccaactca	gtgactacaa	agaactgcaa	acaggtgtga	aaacaagcaa	60
taggtcatct	ctggcattac	ctgggaattc	aagttcagcc	ctgcattctc	cctctgggca	120
attctggtag	agaccatgag	gcaacccctg	ggaggagcag	tagccataac	aggatcccc	180
cacagcaacc	ccagggctaa	gaccagtggg	tgcaaaacac	cttctttatc	aggtgacgcc	240
atcgctcaa	ctcctgcagt	ggtcaatatg	gtcaatatta	agttcacaaa	catgggaact	300
tcctgacatc	atcacagaag	gaatgaaaat	gcagttgggg	tggctggtac	attttaaaat	360
aaggctggtt	ctcctgggag	ggaaaagggg	tttttttt			398

<210> 644
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 644						
atcatcttact	ccagggaaga	ccagctgcc	tgtcacgtgt	agtcttatgc	agatgactac	60
atgataagga	actacagcct	cctgccaaca	gccatttaca	ggtaatagaa	gggagccaga	120
agcagttctt	cattgctaca	ccagaccag	aataagggta	gactcttggt	atcatcctcc	180
ctttctcaag	agctggagac	cagatcctac	tgaagagtcc	aggctctacc	atgtatgaac	240
aagggtaact	ttggaaaaat	tattaaaact	ttccaggcct	c		281

<210> 645
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 645						
gtttgcagag	aaccagcagc	ctgacaacca	gccatctctc	ctcttgatac	cagtgttcaa	60
gcaggctgaa	ggtcagaatc	ttggcagttt	gtttcctaga	atatacaaca	tcagactgtg	120
cttcctaaaa	gtccaggaga	gttcttctac	gagaagattg	gaacttgata	gagcagaaga	180
tcagctgaac	gctggaagac	tctccagtgt	gaaatgttta	tttctaggat	cttctgttca	240
accttgagc	cttcagagtc	ctatgtatag	tcttaaactg	ctgatctaaa	aatggtgctc	300
tgtttcagca	ggtaattaat	gatgttacac	attttaataa	aatttttcag	ctagatcgct	360
acct						364

<210> 646
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 646						
gacacacagc	cctcctgaag	aaataactca	caatcttctc	gtgcccggct	attgccagac	60
ccttggtgta	taggagaatg	gatgttagct	gactgcaacc	ttggcggtat	cagtactgcc	120
tgtggccctc	tccagcacac	agcacaggcg	ccgtcctata	acatccccag	caagccctca	180
tttctttgca	gtggctcctc	ccttgctgac	ctgccccttg	cttcggctcc	tcccttgctg	240
acctgcccc	tgtctcggct	cctcccttgc	tgacctgccc	cttgcttcgg	ctcctccctt	300
gctgacctgc	cccttgcttc	ggctcctccc	ttgctgacct	gcccgttgct	tctgtgctat	360
gcacatttcc	tactttctct	aataaatctg	cctttcttta	ccg		403

<210> 647
 <211> 428
 <212> DNA
 <213> Homo sapiens

```

<400> 647
gttgctatga cagccaggaa tttgcgaacc aaaccagacc tggagaagaa gtctctcctt 60
ggcccaaaga gtttgcagtt ccaagtgggt ctgctcatgg ttcctgttgt cttctttgac 120
acctgccaga tggagaagacc tctaaacctg ggatttggaa atgtcccaac agaaaggcta 180
tttccaagct ggctgaagct tggaaataaa ttcgacggaa tttagggtgt atagaaggaa 240
cttcttggca agaaaagctg gaaaatatta caatagggtcc cagagagaac ctcattatct 300
tctcgaaaaa atttctatat ttgtttagtg ttctgtgggt tgctaagcac attcacataa 360
attatctaata tggatcttca catccgctg gtgaaggagt aaagataggt ttcataatat 420
ttgaccaa 428

```

```

<210> 648
<211> 26
<212> DNA
<213> Homo sapiens

```

```

<400> 648
tgagtgggaag cagcctgagg acctca 26

```

```

<210> 649
<211> 161
<212> DNA
<213> Homo sapiens

```

```

<400> 649
ccctgctaca tcctccttca agatagaaag aagaaaccct aaacacagag aatgcaagaa 60
gcagaagagg gccccatctt tacagcgatc agctagcaga gtcaaaaagc ctgtgtggag 120
ttttcaacaa agcagagggt caattttcct tggaaaaaaa a 161

```

```

<210> 650
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<400> 650
gcacatctgg ataaaggcag aaacaaagta acaagggagg aagtcccagt aaaccaatct 60
tttttctccc aaacacatat tttggggctg acatcatagc cacatggcac aaactacaga 120
tggaaaagta tctgaactca aatccggaaa cttaaccttt atcagatgaa gacaagaaag 180
acttcagcag gcaaactcac acctgttggg ctgaggagct agaaatcaac aaccaaatat 240
caacattact gctctggaaa taacttctgt tagaacaata aagtaagatg agggc 295

```

```

<210> 651
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (409)
<223> n = A,T,C or G

```

```

<400> 651
atctctctta ccgggggatg caccaaagcc cagctgttca gtgtcaatgg ctgccagctc 60
ccaactacat cccacacaga cgggagccac ctcaatgtct gcgagatttc ctgtccctcc 120
ttttcaatcc catcaaggca ccctctacca atgactgatg gatacaggga taaaaagcc 180
cagacacctt tcttccaaga ggaaaaaact ctgtggtggt gccatttatg ttccagagca 240
actgcgggat caagctgagg gtggactcca gctgaaacca catgcaacag actgaatgct 300
tgtgccctcc caaaattaat atgttgaagc tctaatocca atgtgatgat ggtattaggg 360
aggtaattgg gtcataaang nggatccctt gttaatggga ttgcactta 409

```

```

<210> 652
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

<400> 652
gctcatagat ggaaggaact tgccttgagt cccagtaag acactggatt ttggaccttt 60
gaatcaacga tggaaagttt nctgaggcct cccagaaagc agaaaccgct atgcttccct 120
tacagcctgc agagccgtaa atgagagaaa atgcaactgg aaaactggct tccattctaa 180
gatatTTtaag caaganaaat aatcatagtc tacataatca cagaatagct tggaagaaga 240
tgctactgag tatgttacac aggagcttgt gatcaaattgt aaataaacag gtaacatgga 300
cttgggaaa 309

<210> 653
<211> 434
<212> DNA
<213> Homo sapiens

<400> 653
atgtctcaag gaagtggatg ccaggaatga tgaatcactg aagcctgttg ggggatccac 60
actcgaggca cagatcatac aatcttttag agtaaaagga tggatcaaga ccacaggaaa 120
gaaggggatga agctgtggag agtgaggatg aggaacattg cagatgactg gaggccagct 180
ccctgacctt cccctactgc cactgctgca ggccttggtc aggggaagta aaactgacac 240
tagctgttta tcatgcttta agaccagaaa gtaaaatgaa aaccattacc acctctcagg 300
atgcaagaag gcacaagaaa ggactaaacc agttgaagat gttatctcaa tggaagaagg 360
aatcctaatt aaattgaagt cttaacaaaa agacggtcta tttcacaaga ctgatagaga 420
catatacttg atga 434

<210> 654
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 654
caccangata actgatccaa gtcacaagca aacactcaac ggaggatgag catccatcca 60
gccacctgtc tttgcctgct ttggaggtga cgcctggctt ntcccagcag cgctgatgga 120
tctgatgggtg atttcatacc aggttgcagc ctttagtccc gtcacagtgc ctggggaatt 180
ggccaccgtg gtttcaatga ctgtgtcccc gtcttcancc gtgaggaggt aactgggtggc 240
acccggcact gtagcccat ctacagngat actgttgctg agttttgaat atgcctgac 300
aatagtgggt atttcaggag ctgaaagagg ttttagagtt gtacattaac caanatacct 360
acgaggatga cttctttcat cattntactc ttcaagctaa atctata 407

<210> 655
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 655
gtccngggag actttcatct tcaaactttg agagagagct gagaagcctc ggaaccgtcg 60
cccccggtgc cccaaccac ctcccggatc cgcgaaacct acaaaactgg atcaccagcc 120
gtctcacgcc actactgcct gtgccaagaa tcccaaactc tactgatttc aagcctgtct 180
tttttccaaa gaaaaaagtc ttatctaacc aataaacaag ctgctttccc tagc 234

```

<210> 656
 <211> 422
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

<400> 656
 cacnacctgc attaagtnac naactgaggt tgatcccagg agaaaacatt ctactcctca 60
 gcatgggtct tgcctgattc atttaccaac tatgacactc tcaccagag gcataccaag 120
 aaaggaaactt gagaaaacca ttccagttta agcaagttga cccggcacag tccaaaatcc 180
 gtgctatgca gcacagtcca aaatccgtgc tatgcagcac agtccaaaat ccgtgctacc 240
 cagcacagtc caaaatccgt gcagagctcg tggcacagag gaaaatggac ataaggtagc 300
 ggtaacaggc tggcgactgt ggctttttaca cattgcttca cacaaccctg tccaggagct 360
 ttacacactc actaaacaaa cagaagacac catccaattc actggagccc cgttggataa 420
 at 422

<210> 657
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 657
 acgctgtgct tggctctacc taaaatacaa aatcaagacc acccaggccc tgctctaagg 60
 aagtcactct ctagaaaggg acagagacat gctatcagga agaaaactga atatccttac 120
 attgtgaggt cagatgtatg gctttcattc tgaatgcagt aacttcaa atagacacgt 180
 gaacagaaaag ctttgaataa gaaaaacagc attgtttcgt tagatgacta tagatagtat 240
 ttcataaaat acaagaaaaa cactcaaaat tagctccaaa aaatgtatga aagggtgatac 300
 tctgatattt aataaaaactg aacctctcac aac 333

<210> 658
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

<400> 658
 ggacaattgc ctttgaatga agaatgacag agctctggtc ttcgctgacc cttgcaactc 60
 ctgcagcgta atccatggca actcggtact acggcaacca aggaacatgc accagaccag 120
 gataaaaccg tgaaatctga tgcataatct tcataagaca taattgcaaa tgatattcta 180
 aagcagattt gttaaacgtg tgatctaaat tataagttaa gttggaagtg attatgaaac 240
 cttcattggg actaanaatt aagggtctgt gttcatgcac tcagtgattg ngttcatgca 300
 ctcagtgatt ttattgagca cctactatgt gtggcacacg gagatgaata agacatagnt 360
 tctcatgnct attcttcccc tcagccccc tcacctcttg aacagacata a 411

<210> 659
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 659
 tcagaaaaaa agtaaccaac tggcccaaac agcatgaaag aacaccaggc aaaaaataga 60
 agaaatatac cgtatcatca aaagggtgcgt ctgagttgaa gtctctgttg aaaaactgct 120
 tattagcctg aagaatctag cagggtcatc agaagacttt tcacacccag ttggttcagc 180
 tgtctcagat gattgtactg ccaagaagct cctgtgattc ccagcttggt cccctttgta 240
 gaaggccacg tcttcttaac cttaggaataa atgaaactga acagatgcct atacccctt 300

gtgatatttt tctgtgacac ttaacatact ttgaaaagac cagggaaatg ttcctatcaa 360
agaataacag atatatccac ctgaagcgta tcggcata 398

<210> 660
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 660
caaaactactg ctttgtccat gaacaccttg tcaacttcaa agattcactt ctgttgga 60
taaacagcat gagcagaagg ctgccaagtt acagaaaatt tgaagattct tgaagattct 120
ttgatgacaa caagcttggc aggggtggctt cttgatgttg aagtgctgaa aaggcngatt 180
ttaanggggt ttnaatggaa aaggggggga g 211

<210> 661
<211> 86
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(86)
<223> n = A,T,C or G

<400> 661
ataanaaaac caggtntgcg gggaaattga gacttgaact cangnctggc ggactgcnaa 60
gntgacacct gtctgttaca agcaag 86

<210> 662
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 662
ccattgtctg ggagtttttg aaccactgac tgactcttcg agcaccaggc ttttcccttg 60
gtcctcagca ctgggtgggg agccctacat cccagaagtc ttgggaaaca ggggtggagcg 120
gaatcgcccta tcacagccaa acaagactct ccaggaggaa atacagcaga gacctgctca 180
gggcttagca aacagtgcaca aaggtgaggt gaagccagtc tggacgcaca ccagttcggg 240
atgatctgag gaatgtcagg cagtcacctat atcctcagat gtgtncccat ccacctggca 300
catgtctgga acttcccatt 320

<210> 663
<211> 386
<212> DNA
<213> Homo sapiens

<400> 663
gacacacaca cgaagggttc atctatgagg aatggaccct ttccaaacac tgaatctgct 60
gatgtcttga tcttggactt cccagccttc agaactggaa acagccatga caaaatagag 120
gatgaaaatg ttcaaaaagaa ggggataact gatgaggggac aaaagaattc cactggaaat 180
ggcaactaca gctggaagag tgaagatctg attaaggaag ggctggacca tcagcggttc 240
tggcattgct ttcaccccaa caggacttga cctccagtat ctcttttcta ttcacacctgt 300
accagctgct gtctatatgg gctgaaattg tgtctggttt tgctcatcat cttatagcat 360

atagcaggag tgtaataaac aattgc

386

<210> 664

<211> 249

<212> DNA

<213> Homo sapiens

<400> 664

```
gccttaggtt ccagagcctt accaggatga gagggctgat ggtgacagtg gcagtgaccg 60
gaagctggga gcccttccca aagcccctgg agggaaactca ccactagcac gaaccgccaa 120
ggccctgggt gccagcctag tgcccgcctt aggagactga catggaaggc ttctggcttc 180
agtcaaatgc catctcactc atttgccctt cctttctttc ttttccagaa ttaaagctca 240
taggatgat                                     249
```

<210> 665

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(278)

<223> n = A,T,C or G

<400> 665

```
cttatatact ttgatgaatc aagctgtcat ttanagagcc tcgtgggaag gactgagaga 60
ggtgtctagc caacagccac tgggcaactg aatcctacca acanccatgt aaatgggctg 120
ggaagcaaat ctttctcagg cttgagatga ccacagcccc ggtcggcacc ttgattatag 180
nctgtgaagt ccctgaaagc agaaccagcn taagtcagcc cagattccca acccacagaa 240
actctgaggt aataaatgtt taaagccact aaaaaacc                                     278
```

<210> 666

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(620)

<223> n = A,T,C or G

<400> 666

```
gactccactg aaatgcgctg actgcaagag tctatngagg gatgggnaat gtganccatg 60
agggacacna gncactctgg atggcgngct tgcccggntn ccntgaacnc ttannggang 120
gcnggntgtg gttcnanagg atgtgggctt tnccccttac aaanggatag aagtgggagt 180
ttgcctggnc ccccgaccca gcanggactt ttacaagggg accntgaatg cttggganaa 240
actaatggcg aaaccctggg ncctcactta agggcttttt ttgnttgccc naaaccaaca 300
cttgatctnc cttatttggg agccaaggga gaanganccc cgggggggcc ttgaattttt 360
gcaanggtgg gcttaaacia aaaacgtggg ncccaaaacc caacctgttg cccaaggcc 420
tgggaaatgg ccaaatgggg cttcgaatct ttgggggttaa attaaaaaac cctnttgttt 480
tntttggggg ttnaaaaaca aatttttttt ntggccttta aaaccctttt tggtttnaac 540
aaaanttttt attttgggcc antttttaan cccccaaaaa aaaaaacctn gggntttttt 600
ggggggaaaa aaaccttttg                                     620
```

<210> 667

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(412)

<223> n = A,T,C or G

```

<400> 667
aagcagtgtc acgagcaa at cgcagaccag aagagacact tgtgggaaac atctagtgtg 60
tcagtgtgtg cagagatagc aaaggaggagg aatgatgggt caggcttcct ccagtccccc 120
atcagaatcc atgggacaag caaaggattc cataaaggca gctgagagcc actggggggt 180
tcctgtttcaa aagctggaaa aagttaataca gacccagcca gaagacacta gtggccagca 240
aaaacctcat cctggggggag cggttaaaga cagggtcttct aagcaggagc cccgtctgtg 300
gctgtgagtc agcatcacca tgtccaaaac aaagtccacg agtgggcca accccacaaa 360
aaccnngga cttgggggtt tntgganant ttanccccc gggaagggtt tt 412

```

```

<210> 668
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (257)
<223> n = A,T,C or G

```

```

<400> 668
cgtcgaactg agatcacaag accctgggtc cagagcggtc ctgctttaca cccgagggga 60
aaagggaatg gtcctnncag aaaggggccan aagaatctgg agangaaggc cnatcacctt 120
tggcccgggtg ggtgnccatt ctttattgga cctaagcctt aaaaatagac cagggtcccc 180
tgggtctttg ggtcttcatt tttgaagact cctgtcatgg taaaaccttt ggattaaaat 240
aatgggtatc atgcatt 257

```

```

<210> 669
<211> 497
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (497)
<223> n = A,T,C or G

```

```

<400> 669
ttcgtccact gagtnantnc gcancaagaa cagcaggcaa aaggaaaggc accaagtgtg 60
aaggagaatg atttgaagca gaacagaaaa taatttctga gcaaaaaggg ctatgtgatg 120
atgcttcatt cagctgggtg tccattacac ctgttaagag gccaaagaga actgtagatc 180
tctgaggtcc atggggggcag gggcaaggga ataagatgaa gggaacacta gaataaatga 240
agtgccttaa cagctgaaaa ggctgatgga tgtgtcttgc acctcagaag acggaactcc 300
cagcaggaga ataaagagtg caacaagagc agagcctgct agaaccacaca cagtnaggga 360
actgacctc taataacctc tnccttcaga actttataat gngctattaa aaacccttg 420
tttgnnggnt anaaaaccng ggctttaccc cccttaaang gggttttttg gcctttggcc 480
naaatcccca attgggg 497

```

```

<210> 670
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<400> 670
gaactgagag acgagacctg tgttaccag gctgtatgtg aattcctgga ctcaagcaat 60
cctcccatct cagctcgtc cctggaactc ccctccagggt gccccaggac ctgagagaga 120
ggtggagtga aggggggagag aaaacaaagc ccagggactc gcccccaaaa aacacaatca 180
agaagatgct ccagctttt caatttcaga cactgagctc ctcgcaagat tttgttgga 240
ggaaagcttc tacagtt 257

```

```

<210> 671
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 671
agacnanncc tnnngctnnn nggtggcttc ggattccang agggcgccca anaacggatt 60
aactgncagc ttcctggagc acaagcttgn tattagcgcc tataccttg gtcaagcaaa 120
agtggctctn caccaactta atgggtcttt taccacccca ttttctggac gaacgtaatc 180
acaagtaaga accaagaagt gtgcaagtcc ccgaatccca agtgcttcat aaataaaaaga 240
atcccagaag cttc 254

<210> 672
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 672
ctccactttc cagcctccct tgaccttcag ttggagccat ttggctggag tatgaccaat 60
ggagtatata tagaggtgct gctggactgg gacacatgac cagatgcacc atctcttttc 120
ccttctgggtg gcaccacaga gggccgcacc attaccagaa gcataaccat gaagggaagc 180
accagaaaagc ctgaatcggg tgcttgggaag ggagaaaactn ccaggggggc caaaataacc 240
cagaaaaatc ttaccttgga ttttgcttaa aataagaaag taaaatcttt tattggtggt 300
aatcc 306

<210> 673
<211> 125
<212> DNA
<213> Homo sapiens

<400> 673
gtagactgag atgatatga cagcaaagga aaattcctaa ccagtgcgca agaaagaaga 60
aatcaacca tgcataaac tgattttaga taatatctta tccataaacc aacagagaaa 120
atgcc 125

<210> 674
<211> 288
<212> DNA
<213> Homo sapiens

<400> 674
agaactgaga caagagtaaa aaaatagtgg tacacgagat ttggatatca aaaaggttct 60
gcagttaagc tgatcagttc cagcaagatg gaagatcaac ctcaccattc atgaaaagaa 120
aacaatggct ttaagtcacc accaccacca ccatgaagac aaagccaagg acagaaaagg 180
ggtgaccggc cttcgctcag gagtttgtca aaagagttaa aagtttgtca tttgttttta 240
ttgcctatct tatttctccc cgactttaag aatgggtcct aagcttgc 288

<210> 675
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 675

```

```

agctctnattg atgtgcagca aagcacacca nactccgtnc ttggntggna ttagnttgac 60
acncacccca naccagggtat tcnggcttca accnagggtc tggacattnc caccntangg 120
aaccaggaat aaacaagtaa ggaaaaaact tcaactttcga acccttntaa tggacttccc 180
atcttcccaa anttggccaa atcaagcact tncncnnntt taccaaaggc ccccttnccc 240
cggacaagaa ttaatnttta aaaaaacntc ttgatcccca aaatgtttcg ggngaggaca 300
aangtttgga agtaacaaat aaaaaattnc caggtctcct tgc 343

```

<210> 676

<211> 94

<212> DNA

<213> Homo sapiens

<400> 676

```

tagtcctgca ttagtagact gagtgccatt aaagatccaa agtcatgact gactccaagt 60
atttcacaac ccaataaaaa agggaaaata tttg 94

```

<210> 677

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(456)

<223> n = A,T,C or G

<400> 677

```

gactctgggg agctcctgca ttaagtcaga gggngagatg aagaaactgg ggctctgaat 60
ggcatattaa cgcgtgcagc tccagacagc gaggaagtga tggcaactct atccgaactc 120
aaatctgcca gacctatacc agtaggtgcc tgtgtgcagt tggggactca cctctgccat 180
tgctggcatg agctagctgt cttgaactga aaacagacac tcaaagatgg gctgtgggat 240
ccagagagc tggcagaatg gtcaaagcta tgaagccaac agctgctgcc aagaagaaaag 300
tcctgagccc tgagtgattg taatttaaaa aacttaaatgc tgggagtggg tgtttatttt 360
ggaggagtgg gctgcttatt tttggnttgg ggacttggtc attcatcttt tctcacggcg 420
cctactgctg ccctgggnccg aagttaaagc tcaatg 456

```

<210> 678

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(494)

<223> n = A,T,C or G

<400> 678

```

agaactgagg aaaaacttga ccaaaggaag ccacccacac tgataattgc cagcctggga 60
gaaatgactg tagaaggcac atccaggccc cactcccaga ccagtgccc aggctccaag 120
catctctcca tactggaaca gcacggcagc tccaaatctg gaactcatac cccgatctgt 180
aaccggtacc tcagacctac atcttcaact gatttcagcc caactgtgag gctaattctg 240
ctttctttct ttggatagag gcttaaaaat aaatataaag aagatgatgg acacgaacgt 300
agattaatac tcttgtaata cttttaagga gtaactactt taatagcttt aggtataaac 360
tactgcaaac actgggatga attgggggtt atctgctttt taggtgaggg gaaaancccc 420
cnnccaaaat aaccccnctt ggggttttaa ggttaanaat tttaaaantt tnttttnaaa 480
gggttggaag aggg 494

```

<210> 679

<211> 246

<212> DNA

<213> Homo sapiens

<400> 679

gcgactgagg	tttacaaggt	gactacgctg	ttctagtcca	tcttgaagaa	tacaaaatga	60
atcaaaagagc	atcgcttctg	ccctcaagga	gcttcctatg	tggaaaaggaa	gatgtggtac	120
ataaaaggatg	tggatttctg	ccttggtgtc	ctgctggtga	attctctcca	gttataaaac	180
attttgttac	cttcattcgc	tcttaattaa	aaagggaaaa	gaaactccta	gggctctgac	240
aacagg						246

<210> 680
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 680						
gcctgataag	tacaactggg	gctgctggga	gacgcttaca	ctatagtctg	aacttctaca	60
gagccttttc	ctactgtaaa	cctcactcaa	aaatgacagc	cttccatttc	acaagaatca	120
gagtcttgct	atggtgcccc	cgtggtatca	actccnggcc	tcaagtgatc	ttcctgcctc	180
agcttaccac	agtgttggga	ttacagatgt	gagccacagt	gccagctctg	tgtgtgtttt	240
tataattgga	agcacatgac	atctttttaca	caatatgcaa	atgcatattg	aggaaggagg	300
gagagcaaat	atgtctaaaa	gtaatcacao	taagtcttga	cccattaaact	gtcagatcaa	360
aatccacacc	aatttttagat	tcagaagaac	actttgtctt	ttttaaaaaac	tnntntntaa	420
acaccttccc	ccgntttttt	taaaaaa				447

<210> 681
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 681						
agaactgagg	acggtgggtg	actggctccc	ctggcccttc	cttgctctca	gcaagagctc	60
ctgccactgc	cacagtggaa	aaggcctgaa	tttgggaaat	gaagacgtca	gagactcgca	120
acttcttctg	aaagcccagc	caactttcct	acaagcatga	ctgcagacgt	ggaagagaaa	180
aggcagatgg	cctgggttca	aagcccagct	taaaaacaca	tattctagct	ttgtgacctt	240
ggtcattttg	gttttacttc	cctcatctgt	aaaacgggga	gaataaagggt	ctctaactt	299

<210> 682
 <211> 500
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 682						
gctccccaat	gaactntatn	ctcttcattg	gacntgtatg	ggattatnga	naggaacttg	60
cntacagagc	ggnccactag	agctcagcca	gatcatccta	cagtgaagct	ctcaggaaac	120
aagtaccatc	tacaagggtc	ctaaggaagc	acagaggaga	gccacctcca	aaatggatac	180
cctctccaan	ggtttgtagt	gaaagaggca	cagctcttgg	cctggagttg	gtgggggctg	240
cgataagtgc	aagatacttg	gtgacaggaa	tcgcgagcat	actcttgtgt	tgtacggatt	300
ctcagggctg	gccctgcaga	ggaaagaact	cngtcaccgc	gaggtcctgc	caacatgccc	360
aaagtncccc	gatatgtgtg	cngggngtta	aacctaaanc	ccccccccc	ttttaatttt	420
ccnaaaaccc	cccaaaaagg	nttgggggcc	cttcctttta	cccccttaaa	nggggggggg	480
angntgnttt	tttgaataat					500

<210> 683
 <211> 360
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 683
ggaggagggtg aacgcatgtt ttggcattac atctgggctt ccagccctca tcaaggggaa 60
ggggcttctg actcctgcc acaaagggac ttagttgctt tcaagtggga ttttattcac 120
ctggacagtc atgcaaccaa atcacaagca gagaggagc ttccccaacc cagagtcccc 180
acacgtgacc cttaataataa tgtgtattga tgacaacctg aagcagcctt gacttcagtc 240
ctcagganaa caatatgcaa ctctttataa caactggagt ttcccagatt tccaaagttc 300
aaatgaagtg aaagacaatt tctggtgagc atagacatta aaaatgagaa aacaaatttc 360

<210> 684
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 684
ggatgaggtg ggaagagcgg tggattctac tcctctttca tcatttgacc ttcaacaagt 60
caacctccac tctctgggcc aactcagcaa accaagcccg aggaccgcac cacctccaag 120
atccacttca gctccaagat gctacagctc tattttctca agagccttcc tccagcatgg 180
actgattctc caggccctt tgtgtgtata ctccccacaa agggacactc acaaattgca 240
ctccaacaag aatgagatta tcctctaaag tactgcgtta aagtgaggat caggagagaa 300
tgaaataact ctgagagaca ctctctccta tacagaagca agcaagaaac tgggaaaggg 360
aaagtccttc cgaacagaag gggctggaga aaactcataa cacattagcc ttcactctta 420
aagctttcag ncaccaaaga aatgcttgat tccgaaatcg gtttttgtt 469

<210> 685
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 685
taactgatgg tgangtntnt nctaccagtt tacttaangc tgtatgtacg ctgcttgaac 60
cctaaaagct gggaaatgag ccaaggccac ggtgctcagc tgaggagcag gtgtccctga 120
gaacccaaac atcctagagt gtatctggga acataccaag gaaaagagtc tcatcacatg 180
cggcagccaa agagccacaa aatcagctta aaagcagctt anaggcgtgt ggtgggtgga 240
tctctagagt tctcctgatg ctgcccgaag atgtcctggt tgtgaatcct aataaactca 300
tctactcctc 310

<210> 686
<211> 97
<212> DNA
<213> Homo sapiens

<400> 686
caccagaact gcagatggat ttccgacgga tgaatcacct tcagcaaccc cagcaagttc 60
tcattaaatg tttaccctaa agtaagattt tatgatc 97

<210> 687
<211> 344

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

<400> 687
agcaatctcc catctttaac agatgaagct taacacaaga gcagcacaaa aaccgtgaaa 60
aagaagggtg taaaaaatcc atcttctcag actaccttgc tgatgaaaaa aatagctctg 120
tgacacagtt caagccgatg aggtatgagc agaanagtgc tctgactgtc tggaaagnct 180
gatttcctga tacagacacc actcttttcc ccatgcctga attctanatg tgttgataga 240
tactggggca gccatccagg gaccatgagg ggnagaccaa gagaattcca gaaaggntga 300
ctttgttgta acttcaacct ctgaaccact tgctactct taac 344

<210> 688
<211> 193
<212> DNA
<213> Homo sapiens

<400> 688
tcgattcaaa tgttcttcac agttgtcaca cccacaggat cacaaactca actgaatctc 60
ctttaggtca agtttctgtg gaagaaactc agaaaatggg acctggagaa atactcttct 120
catctaagtt gtcaaaacac ctatgggtcat ttttcagtaa ctgataatcc aaaagtaaaa 180
tattaaagtc cag 193

<210> 689
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 689
acagtcctgc atagtccctnc tnagcctaata aatcctgggtg accaactata cccagcaggg 60
aggacaaagc tcttaacacg aaagagtgag gagaatctct ccattaccct tttacatatt 120
caggggaagag agaatatcgc agtcgctgga aacgaagggc acagcatcgt gttgctgtat 180
ggccacgggt ggccacagaa aggcagaaag tcatcaactg tatggaaacc agacaactct 240
gacgatttct atgcaaggtg actacacctt actcgttctc caagtattaa agatcttttc 300
atcctt 306

<210> 690
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 690
attacagatg ttctgcaaga caggctgaga aacagaatca ttccaatcac tctgctgta 60
tctgagggg agactctccg cctgttcaac acagggacac gctgcctccc gtggcaagg 120
gactgtcttg ctgctgactc gggcaaaaag accatgagaa tgaattcacc aaccagggtt 180
cccttcccnc gtaaatactg tgagaaaatg gatgtcagtc tccagctgac cgcagagaaa 240
tcacggccag gtgttgccac ttacagagaa gaatgaatac agaactgctt taatcatata 300
ctcaggaaac tcccattg tatcaatgac tctatataag gaaacgaggn ttgggacctc 360
caaacnaact ctntggngng cccaagcaa aacaattcac cccaacggng gccctatgga 420

caaganaaac tcctgcagtt attctatattt ctnagctccc tgctcctcgt tttcctcacc 480
ttagcaaga 489

<210> 691
<211> 244
<212> DNA
<213> Homo sapiens

<400> 691
ccctcttcca actggaggct tctcctgtgg ctgggaacat ttcctgcctg gctgcgagga 60
gtgagactaa gaaaccatac ctcaggctga ggagagaggc cgggtttgat atgtgtgccc 120
tgggggaagaa aaggagaaaa tgtgatactc tctcatttaa agcatccaca tcaaaaattg 180
aagaactgga ttacattgct gtttacttag tcaagttaca ataaacttga tttccttttg 240
ggtc 244

<210> 692
<211> 237
<212> DNA
<213> Homo sapiens

<400> 692
agaactgagt taagaaaata cctggggagga ggagccaaga tggccgaata ggaacagctc 60
cgggtctacag ctcccagcag atgggtatca ctatcttgcc cagcctggcc ttcaactctg 120
gaattcaagt gattctcctg tctcagcctc ccaagtagtt gggactgcag gttgcacaag 180
tacacctggc tctgatttat tattgaagac tccaaataaa gaacttgcag aaactct 237

<210> 693
<211> 147
<212> DNA
<213> Homo sapiens

<400> 693
gtatccctga ccattcagga aagagacatc aatgacccga aacaatacaa ggaacacaag 60
atcttcatga atcaaatgat acttggaatg aatacaccaa taagaattta ttgccaaaaa 120
gttactttat taaaacaaat tttaaatt 147

<210> 694
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 694
cgacagagtt gaaaccagat gggatatcac acaattacaa acccacgagt tttcctgtta 60
ctttaaggac aaaggaagag gacatttgaa aagacagtag tttnagaagc ccttgaaaat 120
acctccatca agaagctctg gatctgcaag ggggtgggggc ttttgcatt 169

<210> 695
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 695
cgataatatg ctgtatgagc ctctgctct gctgcccatt acctgcgtca cctccacaag 60


```

ctactgaacc tcaaggaacc catctcctca tcaggaaaaa aaataagctt tatcagggtc 120
tgaactctgt aggtcttcac cacggctcag gaggatgagg agcagtgaca ggccaaacta 180
cgagaaaaaga cagaggggaat caaactcaac actgtgtcta aacctcctcc accactgttg 240
aggggatcct ggcacatcagat ggggaacagc tctaaatcaa aataaccta ctactgtgct 300
tttctgtaaa accagggtaaa gatcaaacia gcatgagttg aaaggntaaa aaaaaaaaaa 360
aagggccggg gnggccattt angttgggat tnaacnnggt naaantnttt aaaaaggggg 420
ggccccccc 429

```

<210> 696

<211> 185

<212> DNA

<213> Homo sapiens

<400> 696

```

gctgaaacat gactatgatg gtgacctagc tttggccatg caggagatga cagtggcaag 60
agaaggaaaa tctgggtttc agatcgacat catggagcag agctgcgcca acaacctgaa 120
atgcatgctc acagtggcct gttaagaggg acagaaatat aaacattaat gaatgaaacc 180
actat 185

```

<210> 697

<211> 292

<212> DNA

<213> Homo sapiens

<400> 697

```

tgtaagaaat gaacagacaa agattaaaag actgcagggt tgaaggaagc tcatggaaaa 60
atgtgcagag atgcataaag gaaggagaaa agtgcagcaa agccacatag aaaaatggcc 120
agaagggtca ctcttagcca ccaccacaca gagaaatgaa ctaaaatgaa aactcacaac 180
tcaggaatat ggaataataa gcaatcagaa acataaatat aagcagtttt atctattcat 240
tatttttatt ctactattag aataaattca tgactaaata aaattattca gc 292

```

<210> 698

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (472)

<223> n = A,T,C or G

<400> 698

```

gtcctgcatt ggccaactga ggattcttcc aaacaagagg ccctagtctg tgactgtcaa 60
gccttgccat caacactcct ctttggtgga gagctccctg ttggccctga ggcaggagtc 120
ttctgagatc ttgacatatg ctgggcttga tccaggcctc agtacagggt aggaaacgga 180
ggcctgtaga agtgaagtga cttgctaagg ggcagggtct aggtctgagg cctggtctga 240
gtccaaaacc cgggcaggct ctgagagctc caccctgctg ccattcttac tccaggcagg 300
gcctgcaagg gacagcaatg atgcaaagac aaacaaagga agagcaaccc cagccctgcc 360
acaaaaccag ctgggaccnc cggccaaaag gagttattcg acctntccag cctcagttnt 420
tcacttgtnt atgaaaccaa cangagtaaa tatagaatgg gaggttgaaac gc 472

```

<210> 699

<211> 203

<212> DNA

<213> Homo sapiens

<400> 699

```

agaactgaga tctgaacttt aatactcttc atgcttacag accccgggtg gcctctgtcc 60
ctcaccattc tgtgtctaga aaaagcagtt gagaacccat attcttcaag aacccttccc 120
cattacaaa caccatatta ttatatataa tctacccttc agttcttttg tagccaaatt 180
aaaatgtatt actctgaaga aag 203

```

<210> 700

```

<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 700
atgcggggaga gaatatattga ccttagattt gtccgcctgc atctttctcc tgacgccaac 60
ctcagttcct cctctgactg cctctctcca tctgtattgc aaaacaccaa actctctgcc 120
aaagaacaca tccaggtgtg gccatgtgac tgagctctac tcagtgaaga ctgttgtggc 180
acgttctgga cgatgcctca gtgaggcgat gcgcattctt tgccttccct ttgtctcctg 240
gggaagtgatt ttgaggatag aaggtatgcg ctgaggatga tgggacagaa tcatgaagcc 300
tccatccaag acttcgctcc ttcctatgga tttcttttat gngggaaaat aaataattgg 360
ggggggtgga aa 372

<210> 701
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 701
gactctggcg agctcctgca ttacctcnca tctgtgactc tgaggggaga aagggaatga 60
catccaggac aagaacaaaag aatagaagag gaaaggtgct gctacaagtt ggaaagaagc 120
agacagaggt ccctgtctgat tctccaaata tgtgtctaata ctgtttactg agttccatag 180
cacttgggag catccatgcn aaaatctgta gaagagcatt ccaggaagag ggaagagcaa 240
atgcaaagac gggcgtgaga gcttgggtgca tacagccatg ggccaaataa agtttccttg 300
gaatagcaaa aaaaaaaaaa aanggcgggg ggggnnnngc catttnggtt tnancnnnnc 360
cnnnnntttt ttnagggggg gggggccccc ccccc 396

<210> 702
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 702
gtggtgttcc cactgntgaa gagcangcga cnggnaagga ccatnaanca actnaccagc 60
taggagtgat gtactatgat gggctgggga ccactctaga cgctgagaaa ggggtggact 120
atatgaagaa aattcctgat tctccatgtc ccaaagcaag acacttaaaa ttgcagctg 180
cttacaacct cggaagagct tattatgaag gaaaaggngt taaacnatca aatgaggaag 240
ctgaaagact gtggcttatc gcagcanaca atggaaatcc caaagctagt gtgaaggctc 300
aaagtatgct cgggctgtat tactcaacca aggagcccaa aggggtaaaa aaaggcnttt 360
tactgggcnt tccgaagcat gtggcaatgg aaatctggag tcccagggtg cacttgggct 420
catgtacttg tatggacaag gcatccggca ngatacggaa gctgccctgc agtgcttaag 480
agaagcagca gaacg 495

<210> 703
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<400> 703
aactgaggaa cccttgggtg cccagctgct gtccattctc tacacttatc ccacctgatg 60
gaaggctgtt aagaaaaaca tcaactgcaat gcctaataaa cagacatggg tcccagaccc 120
aataagagtg aaaccatccc cctattttaa tgaaattatg gctgatgaga aagacaaatt 180
aatctctctg tccctagtat tacacaaaac tttggatgct gccattgtta caattttatt 240
ttccccagga gctcagagtc ccaccttcac tctttttgtt taatgcttaa gcttgacctg 300
ccacctatgg aagactagaa tgagcaaaga ccatgtattc aatgatctgt aaatctaaca 360
ggaaacaat 369

```

```

<210> 704
<211> 153
<212> DNA
<213> Homo sapiens

```

```

<400> 704
gtgtgatgga tggagcattg gagcaaccac aagggaataa aatacagaca tgaagaaaac 60
agtaaagatg ctgtccctga catcattgag cagtcagcaa ctgcccacta ccaaacttat 120
tgtcatgtga aaaataaaaa cctccaattc ttt 153

```

```

<210> 705
<211> 131
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(131)
<223> n = A,T,C or G

```

```

<400> 705
atccaggagg taancaatca actaagagcc aggcaccttt ttaagtccag taagaagaaa 60
catttttaca acctgctgtc tctgaagtct gctatctgag attcctctcc acaataaaac 120
ttggtctcca c 131

```

```

<210> 706
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<400> 706
atcatccaca aactacaagt aacatgtagt tacaacatgg ggctcagaat gtaccaagat 60
catcctatgt ctacagaaaag gagtaaaaca caaagactaa acagagttac ctatttcttg 120
ttagcctgag aaaaattctt ttcagatgtc tttcattacc tcagaaatgg aggcaaatgc 180
tttaagaagg gtcataataa actttgaaag gctattgcca tgggtgtggtt attaagctct 240
tgggaaatga tgggcttctc ttcaagtata aggaacaatt gtgcccccta agagtcacct 300
tgaattggaa tgaaataaac tgg 323

```

```

<210> 707
<211> 273
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A,T,C or G

```

```

<400> 707
gacctgcatt aaggctcgact gagtttaaga ttccccagat gccttggata atttgttttg 60
gaaaacatat attgaagata ccnagagcca cagtatgaca gaagactagg tcccagaatc 120
acaactggaa ggaaagtcat gcactaatga agaaaacaat tcttaaggct tatatgagct 180
gaaaacaaac ttctgtcatg ttgctgcctt tatccatttt taaaagatgt ttgtcatcag 240
tgggtgctact ctaataaaat acatcatgag cac 273

```

<210> 708
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

```
<400> 708
gcctgacaaa ataagtggct gtgctcggaa agcccaagtg acaatgaagt ccaggtaacc 60
tctaggaatt gcaggttccc tcttggagct gaggacagtc tccagtctcc agccagcaag 120
aagccagggc cctcggtcct actgctgcaa ggaaaggaat tttgcctgtg cccggagtca 180
gagtggaaag cagttcttct ccagtgaatg tgaacgcagc ctggccagct ccttgatggc 240
aggcgtgaga ccctaagtgg gggactgagt gtacctggac acctgatcca taaaaactgt 300
gagaaaaatc tgtcttgntt taaagnncn tccnttgggg gcaatttgca gcattaaata 360
attaagtaca agtacatgtc acccaaggtc                                     390
```

<210> 709
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

```
<400> 709
aagtctcaac aattaaaaa aaattagaag ccaagtgcag tggctcacac ctgtaattcc 60
agaactttgg gaggccaagg tcctgcatac cactgaaact actgatgtca gctttctgaa 120
ggacccactc gagaagactc actaaagaaa gcagtttcca tgtcctgatg attttgtctc 180
ccttaccctg accaatcaat ggccctaatt tttggctcatt ccattttctt gccctccatg 240
atacccttaa agaccctgcc cagacctcgt tggggaaatg gatttgaggg tctcccccca 300
cctcttttgc gggaagctta tgatcattaa actattttctc tgntgcnnnn nnnnnnnnnn 360
nnnnnnnaaaa ggggcggggg ggccanttnn gttngnnttn aancgggngn ntttttttaa 420
aagggggggg                                     430
```

<210> 710
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

```
<400> 710
gccataaggt tcttaagagc agagaatatt gtttctgtaa tgattctcgg caaaagcact 60
cagttacagg attcatacca catgatagat tctaaatctt gggaacagaa tcaagaatcc 120
agaaatggat ggaaccacac gtatatgaac aactgatttt caacaaagat aaaaaggaaa 180
agctcaccta tgaaagagtg cttctctcca gccagacaat aggagtaggg aagagaccga 240
tgctgaatga ctcacgaaaa tactgcagga aatgacagga ccgtccccag aagtcccttc 300
cactggcttt tgccgggctg nttcattaaa anctggcagn aaggatgaat cncaagaaaa 360
aggcttattg taacctcaca tcataaattt tataaaactg cttcataaaa aataaccttg 420
gggtccagga actccactag aaaaatgtnc aacctgtctt caaattgggg aac                                     473
```

<210> 711
 <211> 464
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 711
ttcctggaat agcacctgat acacaaaagg catccagcca atgtttgctg aacaaagaaa 60
tgaaggctgc ctgcatttac taggagaagg atgacaacca catgggacaa aaaaagaagt 120
ttttttggtg nanccnagnc cgggggggtcc gnantngggg ggtnttnggc ntannnnnt 180
taaaaaatga anccgcggac tntcgcggna ctgcnctgng cagggnaaaa aacagtcntt 240
ccgganccnc ccancnngg gttggaaacg tgctccgtta cattccaact agatgggggt 300
tctctctgtt gtccaggctg gagngcaatg atttgaaaat tggnnncctt taactcttga 360
gctcaagcaa tcctcctgcc tcagcctcct gagtatntg anagtatagg tgtgtgccac 420
cacatccggc tccacttttt gttttggaag attccccca acat 464

<210> 712
<211> 316
<212> DNA
<213> Homo sapiens

<400> 712
atgagcataa atgagagtta atgcatctaa aactgaacac aaacacctgg gggaggaact 60
gtgaaggacc ctaacaccac caccaccctc accaccctg ttgtcccgca tatccacage 120
caccatgggt gccttgGCCa gcagaagccc aaaactgagg gcccttgtga aaccagctgt 180
tggaatatat aataaaggag aagttcattg gatgctaact caaacaggac caatgaaata 240
gcaacatggt ttactatcg ggtacgtgct ttggtagact cacggtaaat gtttaataaa 300
tatttgatga aagaat 316

<210> 713
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 713
agactctggg gagctcctgc attaagtcac gaactgagaa atgaagactg gagaagcaat 60
gggacacaca ggcaatgggg ctaggcattg gttgtcccca ttcattcatg cagcaaatgg 120
ccattgCGtc cccttcctgt gctaaacctg tgcagggtgct gccggacttc ctggacataa 180
gaccctgtcc gggcactcac caccatcatg cttgaggccc tgccttggtg tcagtctttc 240
cacgatgctg actggcagtg tgcgggaca gtccccaggc aggctcccg gatacctgtc 300
tagattatct ctgtggtgga tgtagccttt gccccagcat tcaccagtga caagaaaaaa 360
aagnactttt anttnttcca aggcnttacc tgggtggtgg nggatgctgc tgtcactaga 420
aggctactgt aaataaagcc tgcttaatct ccttaaccCG gatggcttgt gtcaaccggg 480
ttggagccgc caggaaacag cccatgcttt aaa 513

<210> 714
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

<400> 714
agacgtctgg ggagcacctg cattaatgtc gaanctgagc atccntcnca actngnatct 60
gtgatttggg cacggcttgg tggaggcagc tcatttctgc ttcacgtggc atcagctgag 120
gtggcttgcc cagaggttgc agaactcgcg tccaggacag ctccactcatg tggctggcaa 180

```

```

gttgatgcgg tctgtcagct gggagctcag caggggtatTT ggctgggggt cttggttctc 240
ctccacatgg gcttttccac gggttgcttg tgcttcctca tggcatgggt gctaagtccc 300
aacagtaaac gtcccaaaaag aac 323

```

```

<210> 715
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

```

```

<400> 715
gaagtcaact gccatTTTTc gtgagctgtn aagctgacct atggaagagg gtccacatg 60
ggcaggggaac tggatgtctt ttgccnacag ccnagaaang gatggatcct ttttactacc 120
ccaagaaatg gagttgggag cagaatcttc cccaagctga gcctttcaga tgagaccaca 180
gacctgcct ggcaccttgg attggcagcc ttcttgagaa gacccttaaa gccagaagac 240
atccaactac acccattgcc tcaagttgct tgaccccaaca agatacccat gaagataata 300
aatgttgtct taagctactg 320

```

```

<210> 716
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(251)
<223> n = A,T,C or G

```

```

<400> 716
gctcactttc aaaaccgggg gnggtcagcc catttggtca ctggatgaag caggatgcag 60
gctgaatgga gaggtggtgg agttcgcagt ctgtcccagg cactccctca cccagctatc 120
tgccaataca ccactttgat ttatctattg taaagctttt taaaagtgtc ctttaaagta 180
gcttaaggac aaatgtgaat aaagcttcac agcaagtgga gatgcagcct gaagaggcac 240
gtcataagct c 251

```

```

<210> 717
<211> 93
<212> DNA
<213> Homo sapiens

```

```

<400> 717
atctcccata aattcccaac atcaactatt taaccgtatc atctcatgggt taaaaaaaga 60
aaaaagaaga agatgatgat gaaagaaaag aag 93

```

```

<210> 718
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

```

```

<400> 718
tagtgtcata agaacggact cggttcttcc tgcgtgacca cggatgcttc tgtttgagaa 60
nangcatccc acggtgggac gtttanatca agaaagctnn tgannaagac atttgtnaaa 120
gggcaacctt gggtgantgg gggaaattat ttcttttttna tcaaccctt ctgcaatata 180
agctggaacc tggcnccata ggaagtttcg ggacaattac gggaccatcc tttttccttt 240

```

tctcttcttt	cttttttttt	ttggtnggat	tggttttggg	nacaaaagtc	ttttgtttnc	300
ccaaggctgg	gagtgacgnt	ggcgcaaata	cccgggntta	ctgnaaacct	nccgccttcc	360
ttggtttaaa	ggggaatttt	tcctggctta	aancctnnct	gaagataact	tgggaanttt	420
nanaggggng	gnngggaaaan	ccaaaaaaac	cnnngggnaaa	attttttttg		470

<210> 719
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(417)
 <223> n = A,T,C or G

<400> 719	gggagtaa	aacaccctcc	cagaagatga	tacaggccaa	atcccgcaac	gagaggggctg	60
	ggtcggaaca	cacacaggcg	cacctnccan	aggcccccca	cacttcattt	aaggnaagaa	120
	cggagcatcc	cacgaacggg	aacaagnttg	ggaacctggg	atttggcttc	ggtgacaccc	180
	taagcaaccg	gggtgaagaa	cgcttaagct	gggggaatccc	gctggccttc	tgntcatcaa	240
	agcctgtctt	ttcacccggc	aaccttncca	acccctaagc	aacccccccg	ttcccaggaa	300
	aaataaagtg	ccaccacagt	cgcttcaata	gcaccggccc	aaaaaactcc	cactttagtt	360
	cctggaaaaa	ttaagtcccc	ggcanggggg	cctttttttt	tttttaaagg	gttttttc	417

<210> 720
 <211> 161
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(161)
 <223> n = A,T,C or G

<400> 720	gtctttggac	ttagtctaga	actatactac	tggtctctct	ggggtctcca	gcttgccctac	60
	tgcagataac	gggacttctc	anactccatt	agtgcattgag	acaattcctt	aaaataaatc	120
	tgngtgnatg	ttattgnatc	aataaaatat	atatgtatcc	t		161

<210> 721
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(485)
 <223> n = A,T,C or G

<400> 721	gaggcaggtc	tagaggcctg	ggagacatgc	tggaacaattc	cgaaaccaat	tctgggttaca	60
	gaaggcgaca	tgtctttcat	gtggggccatt	caatgagaat	gtggggggacc	cctggcagag	120
	atcaggaggc	cccaaagagg	agatgacaga	gcagagccca	agagaagcat	ccagaggaaa	180
	cgtttcggat	gactcctccc	ttctccggcc	agccacttct	gaaggagggt	agcgcagggg	240
	cacagggtga	gggctgacct	gcctgtgagc	cccggccctg	ctactcactg	gctaccgtta	300
	cctggacaga	tcaccacttc	gctgagcctg	agtcctcatt	tggaacacag	gggaaaaaat	360
	acttattttt	taaaaanaca	tggtngggc	attaaaatna	attnttgcca	nattctntan	420
	ctntgtgaaa	gtcagcntat	ggaaggcnct	ggagagntta	acaataaaaa	aataccttgg	480
	ccttt						485

<210> 722
 <211> 290
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(290)

<223> n = A,T,C or G

<400> 722

```
ngatgcctcc aagttgttgg aaggaaaagta tcngancatn tacnagggaa aagggccaca 60
ttgttgggca ttncaagcca caanccctna agcttgaggg tcaagaagct nacaagccag 120
catttaacca ctaaccccac caaggtggaa aggggaagac tttcgaaagc cttcaaaact 180
tgccccaagc ttaaattggcc aaggtgggga agcagaagat gaagttgtcc cttgcttgaa 240
aatttgcaag actcatgaag ccaaaaataa aatgtaagtt tgttttaagg 290
```

<210> 723

<211> 629

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(629)

<223> n = A,T,C or G

<400> 723

```
tttctgcncct ccctccaccc tcgngctctt gccgnctnca cccctncttt nattaaagcc 60
ctgncctggnn tggnncaagg ncaggtgggc accctttnac cccgagaaag aatntttnaa 120
tgggcaaaagg ggnatttttn ncccaccccc cttngaccna ggaaaccccn aaaatggggc 180
ccaaaaacca gcaaccnagc ctttacaggg agacttttca agaggaggag gaattttggc 240
ccaaaaataa aaccacttgg tggggaggtta ttttgggatc cccgaagaca aaagaaaacc 300
ctttgcacaa agatccctca ccttgcaaaag gacaccattt cgctaaagcc catcggggagg 360
gggcaagtcc cagggcccgg gaaaaaagca aattttggac ctttctcctt gggccggaaa 420
caccaaaaaag ccaaaagtcc ccnggggaaa aaagnaangt ttttaaggngn ttaaaagagg 480
cattttttnt tnggactttt ccacggangg ggaaaaatac ttttccaaag cccaaattnc 540
cggggcccgg gcaccaagga attttttttg gntanggggt ctttcaaggg gaagcctntt 600
ggggcccaga aanccaaaaa aggtttggc 629
```

<210> 724

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(149)

<223> n = A,T,C or G

<400> 724

```
agaactgagg ttgtactggt cagtggacca tngtggaccg ctgggatntt gggcaggggt 60
gccntgggat gangggcggg tgggaccttt tatatnatgg ggaaagcact ctcacttatt 120
aaagatcttg gnaaatattt aaaaaattg 149
```

<210> 725

<211> 113

<212> DNA

<213> Homo sapiens

<400> 725

```
tgttcctacc tggctcaagg aaccctgctt ctctaaaggg ggagcgctgc acccgattt 60
tgggtcttta cgttgggcct cagctcactg tcagaataat ctttctaaaa cac 113
```

<210> 726

<211> 366

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 726
cccagaccgg tgggaacccc cntagtcctg cttatttngg cntgaggaga ggtaggctnn 60
cgancttinn nnnaaaaaat gggttttttc tnacattggg aaantctgac nccttctnag 120
aaaataaagt ggcttgtgtt gnccaaaccc ctttaaccca agggaaaaag tcncgaagg 180
ancctctttg ngnactccta aagccttatt ggaccagggt accttncttc nccccaagg 240
agaanccttg tcttgttcca ataagtggaa gacaagggtg gaagaaattt ttttggcgcc 300
ctacnctttt tttccattt tcaaaaaaag aaggctgggc catttgntta ccnttcttgt 360
ggatcg 366

<210> 727
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 727
gagaggtagg cttgngaggc ttgctaactt ttgaagaatg agacgaagt ccctcccaaa 60
attactactc cccactctg gaagatgctc acaaagccac cagtctcaag aactatattc 120
atcacccttt ggatggggtt ttttttttaa ataaaaaact aaaaacc 167

<210> 728
<211> 213
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G

<400> 728
gattcttaaa gcgcaaaaag cccaatcat ttctttgaga acaaggacgc agatcttaca 60
tcacgaacac tnnnactnn ttcatgggtg cagtaagaag atggaatcat gaaccaggaa 120
gtgggtcttc aacagaccca cctctgcccc caccttgatc ttggacttcc taagcctcca 180
ttaacncnga gaaataagcg tgttttttaa acc 213

<210> 729
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 729
aactgagaca tcctgcacnn aagcttggcc ccttattaca gagctngaag gncaccgga 60
aaaggagtcc agtaaaagg nngagcagct tcaggggcca tggctacccc catgcaaagg 120
agggtaggcc acagaaccga actgggggtc gttcgcttgg cacagcaaaa gtcaaact 180
aacattagga tggcagcgag aggaagtgaa gcatttattt gcaagcacca agcaaacaga 240

```

gttggacagt tgatgcctaa gatcccacct gcccgggtggc ttgcagaatt tcaggatagt 300
ccaggggatca ccgaaagaga tcaccaaact ttctctatga agaaccaaat actaccaacc 360
ttccgtnttt gccggccncg nggcttttga acttaactgg ntaacttttc attaacngna 420
aagtagccnc ggnccatatg ccaaaaaaaaa t 451

```

```

<210> 730
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

```

```

<400> 730
ggacctgtgc ccnattctg aggttttttg gtgntcagng gngnggggcta tcgcctttaa 60
aataacctgg gcctgggcag caacatggng nantgaaaaa aaagcaggct ttggaatgga 120
taaaactata cttgaatctc tgctctatca ccttatcatg ttatggcaag ccagntacgg 180
aacctccatc atttgncagt gcctaactca gcttctcgcc tgctggncan gctctggaaa 240
gctgagtga aacagaaagc agccagaaag ngctgtgggg acaacttgca ataagtgtca 300
catgggcctn ctctctcttt tatgtgcccc atgtccancc tttttccttg gtggccnctt 360
tccanaaaaac ttttggaaac cattggggcca aagttacctg gaaattttcc cttgggcctt 420
tnaacctttt gaccattttg gtaaaaaggta ngaanatgga tnaaaagcct ttttaaggngc 480
caaagggcag gnggggggctt caanccctt gggcttgggg gtaaatgggg aaatcaattt 540
tg 542

```

```

<210> 731
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

```

```

<400> 731
tnacttccag aaaagagtga ccatttggca ttgtccaacc attaatgatgt gaagactggt 60
ttggagtcc tggtacagtc aatgttgctt ccctgtcctc ttgcttccaa tgcttgagc 120
cacaacagcc atatgcaaac atgagtgaca ggccaaaaat taatcataga gacatctgtc 180
ctgataccac cacgccagt aatcaatacc agcaacactg caactctgct tattatgaag 240
gaaaaataaaa gctctgtttt ataaagc 267

```

```

<210> 732
<211> 755
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

```

```

<400> 732
gggaaaaaac cttgggaagg gccctttccg gcccgggggg tttttgggaa ggggggnaac 60
caaaaaaac cttttccttt ttttttnggc cngggggggg cccttttttt tttttcccaa 120
ggntnggggg ggggggggaa aattnccggc naacccccng gggntaaant tcnncggaaa 180
aattaaaaaa nancccttt ttttttgggt aaattggnaa aaagaccccc cgggncccc 240
aaccccccca aanttgngg ggggnaaata ccnggggggc cccccaantt ttttggggna 300
aacccaaaaa agggnaaatt ggggggaaaa tttttngggc gaacccggcc caaaaggggg 360
ttnttccttt ttnccagggg ccaccggccc tttttgnggg gggtgggggg anagnaaagg 420
gggccttaat ttttccccg gccttanttg gaaacttggg gggnaacaaa ccaanaaca 480

```

```

aaatnccggc nttgcttctt tgatggcncc gncctgtttt ccgggcttgt canncgcaag 540
ggccgccccg gctctttttt ttaaaannga cctgtccggg gcctgaatga actgcaggac 600
gaggcagcgc ggtatnntgn tngcccacag cgtctgccac tgtctcgacg tgtactgaca 660
ggaagggctg gctnttttgg tnaaagcggg caggctctgc atntaacttg tttgcgnnaa 720
gatcatatgg tgangaanac gggggtggat acctt 755

```

```

<210> 733
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (367)
<223> n = A,T,C or G

```

```

<400> 733
gggagtaaac accctccaaa gatgatcanc caaatccgca gcgagaggnt ggggtcggaa 60
cacacacagg cgcacctccc agaggcccc gacactncat naaggnaaga tcgnagcatc 120
ccacgacggg aacaagnttg ggaacttggc atttgccctg ctgcacctag cagccgggtg 180
aagacgctta nctggggatc cgctgctctg tcatcaagcc tgctttcacc gccacctcca 240
acccttagca acccccgtc ccaggaaaaa taaagtgcc cccacgtcgc tnaatagcac 300
cgtccaaaaa ctccacttta nttctgaaaa attaagcacc gaaggagcct tttctttttt 360
gaagggt 367

```

```

<210> 734
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (484)
<223> n = A,T,C or G

```

```

<400> 734
ctcccgatgg acccgagatt cagggatctt tcccgggtaa acggtggggg cnggcngaaa 60
gaaatgcnat agagctaatt taagntctag atcatgatag cctgggatat gggatgaac 120
tgntattggg cgggatttcc tggaccatca tatggnaatg acagnttgnt atgtaatgga 180
gatgactgcc cagacctatg taaaaattta agtttctact aaaaatattc ttcttgaagc 240
ttatgagact attttcaagg aaataacttc ctaaagaaat aggcccctgg tgaacacca 300
gggaataaaag gaaataaatt gagaaaaatc cnccaggctt atttttattg ntncnttnc 360
ccgggggttn aaaggaattt ttaattaaaa nggttcacan aaaagccctt ttcatttatt 420
ttaaaagatt ggacatatatt tgncccttta cttatagcta gagcacncat actgggaaag 480
gtta 484

```

```

<210> 735
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (192)
<223> n = A,T,C or G

```

```

<400> 735
cgacctgcat taagtagcac tgagagctga gatccaccct gcattcagtc tgaagtgaca 60
gaagcaagag actctgtctn caagaaaaaa gaaagaaaag gggatattta gctccagtca 120
tctggccctt tcttccatct catatttttg gnggcttctg tcacataata aatatgnatt 180
cattttctcc tg 192

```

```

<210> 736

```

<211> 271
 <212> DNA
 <213> Homo sapiens

<400> 736
 atcccagaag ccttgaaaac aaagagccca caattgcagt aaaaagcagc agcccggcag 60
 ccaccagaga gggcagagtc ccgcaacctc ccaccacttt gaaggagctg gagtccttc 120
 aaagcctcat tcaaaagaaa ttgtcattat ttacacctatc tgggtgtttcc cggaaccct 180
 acttgcaagg ctggcctttat gtgattaaag ttcacatcagtg taaaaaaacc tttccctag 240
 tatgtttgtc aaaaacaatt aaaggtaatt g 271

<210> 737
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(210)
 <223> n = A,T,C or G

<400> 737
 gactgaggtg ccgtgtnttg gagtagtgtg tcctgtacct gtcaccttta acaaacaatt 60
 attgagcacc tactgggtgc cagatactcc accaggctct gagaggacag aaatgcataa 120
 gacacaattc ctgctctcaa ggaggccttt caaaaagaag agagtagaaa aaattcacac 180
 atttcccca ttccaaaatg acatctgaag 210

<210> 738
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 738
 agcctgcatt aagcaaactg aggagtctgc gccctctggt ggtgttgtaa tcaccgccta 60
 tgtggagatc ctacatctct gggtcctgtc agtgtttgtc accagcctct gacgtgcatt 120
 tataatcatc tgctggacat ttctacctgg gaaatttgaa ttcttggtat tttgcataat 180
 gtgttccaag tagagctaatt tgtaagtcct tccaaagaga atgctcatca tctttttttt 240
 gtttactcaa aaagtccac catacaataa gctcttcaag aaagatttgt acttatgacc 300
 ctgaatgggt tagtgtgttt atgctttggt tagaggcatt gaattttgtg cattcaaaat 360
 acctgaaata ataccatcct ggaccggtt 389

<210> 739
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 739
 agaactgaga ggatggaata aaaaccgcaa ctcacaactt ttcaagaggc caccagtcatt 60
 tagacactgg catccgttag aactgctgca agcttaaatac aaacagtcac ctggaaggaa 120
 caggtctctg gagactcccc tctagctctg agatctgtat ttcacagtta tttgaggcac 180
 tgttaaaagc agagaataaa atagttagaa attc 214

<210> 740
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(216)
 <223> n = A,T,C or G

<400> 740

```

aagagaaaact tcatcagcgt gtgtcccgga gtgaggacgt ttggagcagg agcactcact 60
gccacctgtg atgggcatga agctagcatc catgaccaga gttttgtgct gttgcacat 120
tacaaaatga gcacaggagg gtggacggga gctctctgna cccttcactt aattttgctg 180
nggaacctaa aactgtttta aaaataaagt caattg 216

```

```

<210> 741
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

```

```

<400> 741
caagagaaac caaggngaa gagaccaaga aagaaatgag aaagagatga aagggtgaag 60
ngacagaacc ttctgagctc tcctttcctg ctaaattcca ggcacatgct ccagattcct 120
taggcaaagg aagaaatgaa aggagagaaa gagaccaaaa ttttaaactc tattaataag 180
gactgcctga tatttatacc caaaagaacc aatgatgcca tgggatctaa ctaagatatt 240
aacagatatg aaaagagatt caacagagta gaggagcttc agatatatac ctgtcgtggg 300
ttggctctgn gcttccccca aatctcatgt caaaatggaa tnccaccccc ttgaaggang 360
ggcctggggg gagngattg aatacgggan cnacttgncc ttgcttttnt agcgatggag 420
ttctnagaaa nctggttgnt tgaaagngcg nggacttccc ctttctggct ttt 473

```

```

<210> 742
<211> 764
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

```

```

<400> 742
ctcgcggttg aggacaaact tttcgcgggc ntttcangtg gggggaatcg aacgggaatc 60
cgaataaaag cttttggaat ggaagcccgg ccacccattg gggaatccgg gccatttgg 120
aaccaaagaa tgggaatttg gcaacgcca ggggttcttc ccgggcccgc tttgggggt 180
tggggaagaa gggcttattt ccgggcttat ttgaacttgg ggccaccaac caaagaacaa 240
aatccgggct tggcttcttg gaatgcccgg ccctgtgtcc cgggctggtc aagccgcca 300
ggggggccgc cccgggttct tttttggtca aaagaacccg aacccttggg cccgggttgc 360
cccttgaaaa tggaaacttg caagggacga aggccaaagc gccgggctta ttccgtnggg 420
cttgcccaca cgaacggggc cggttccctt tgcgccaaagc ntgttgcnt cggaacggtt 480
tgtcacttga aancccgggg aaanggggaa cttggcnttg cntttttggg gccaaaaan 540
gggcccnggg ggcaaaggna atcttnccct ggncaaat ttaaaccctt tgggtttccc 600
ttggcccggg ngaaaaaagg naattcccaa ttccaattgg ggnttgaaag gccaaaatgg 660
gcnggggggg ggnntgggaa ttaccnccct ttggaattcc cnggggttta accctgggcc 720
cccattttcg naaccacaac ccaaagccgn aaaaaacaat ttgg 764

```

```

<210> 743
<211> 571
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

```

```

<400> 743
agaactgagc attttccaga ntattcaang cttcangatg ggcctgggat ctactnacc 60
gtttgcccac acttgnccgt ctattggccc acaagactcc aaaagacagt gatgataaag 120

```

gaagactagg	agtgaaatct	aatctctgta	acattcctag	atatcaggaa	ggtcagaaa	180
cagaagttct	aggagcctgg	acatttgcca	ccaatgcctc	tatgtagcaa	tcctccttga	240
taaatgccca	taaacagaaa	tcaggagata	atgggttcac	ggaaatgaga	gactagactg	300
cattttgctt	ccagcccaag	cctaacaaa	gcagggaaaa	aaggcttcat	ttaaagatgaga	360
aacagagtcc	tggaatcaaa	aagctcttta	ataacataac	actaaattta	agtcagaagt	420
gggtaatttt	acttttgcac	aatgattgga	ctcatagaca	tatctagtag	aagggttgaat	480
aatttgaggt	tatacctggg	atgagtaaaa	ggtttaaagg	atcagatcaa	aaaaacaaaa	540
gttcaaatta	aaaagagaag	gttgtagctg	c			571

<210> 744

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 744

aaccttgaga	aacatgcctg	ggactaccgt	gcctnngagg	gaggggccag	acaccatggg	60
gagccataac	ccgaggtccc	ccaccccggt	cattnccanc	aanaaaaccg	ggtccttggg	120
ccaanccacc	acccagccaa	gcttnccaag	ggcacatgaa	ggggaaagtcc	cgcccaaaga	180
tcaagcaagc	ccgggcaaa	cttgacccac	aagcccaact	tgcaagacgc	catgaagcaa	240
agcctttaaa	gcaagcttga	aaatccacca	aagatcaaac	ttggaaaagtc	tccaagttct	300
tgggggtgcc	agtatttctt	tgtttgatg	cccaanaaag	tattgggggg	ctcttttggt	360
aatttggatt	aaattaaata	aatcattggg	gttaat			396

<210> 745

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(211)

<223> n = A,T,C or G

<400> 745

ggagtatgcc	tttgatcttc	tgaacaacg	cagaaacgga	cccggctctg	catgctgagt	60
tagaagaact	ggctttgtca	acatcttctt	gattcgattt	cacggcagat	gttggttctg	120
gaacctgtg	tgaagcattt	ttagnatgag	ttgtaacatg	cacagcctgg	ctagtaatga	180
gtttattaaa	ctgctgctta	tgtgtcttgt	t			211

<210> 746

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(527)

<223> n = A,T,C or G

<400> 746

ggctacctgc	acgagtnzac	ttgagggatg	cttctcatgg	atgcngtagg	gncttttctt	60
caacctatc	ccactnaatt	aatggcncgc	tgatcacaag	tgtnatgaat	agaaagccna	120
ggnaacatct	taactttgca	tgaattttat	tttggttaac	gaaggctctg	cagaatcatg	180
aagcaaatga	gaaagatgat	agagctcctt	ggcggngaag	cagatatatt	gagaagatga	240
gaataaagac	aaccgttgaa	aacagtccag	gaaaataaaa	agcctggaca	aataggatag	300
tttgctgctg	ccttattact	ctgccattgc	ttcatgataa	tcagttcttc	atggcttctt	360
catgcctcta	atcaacagac	ttacttggtg	acatacaaaa	ccaagaatct	agtcagtaa	420
atttgagggg	cttcttggtg	cctcaccaca	actaccttct	gttaattaat	gngcaaactc	480

ttgaagaaat tatttgaaac cttgtaaaag gtatgattgg gaaaaat 527

<210> 747

<211> 198

<212> DNA

<213> Homo sapiens

<400> 747

```
gagaggcaca acaacgattc tatgccaggg gaaagccgct gggcctgctc cgccctccaa 60
ttaacccatt ttatctgaga ggctggaaaag gaagaaggta caaggccagg ggctcagcta 120
tgaaaacatg ttctgaatgg gataaaaaaca gcagtgggaa gcctctgtct tatataaata 180
aatagtagat gttaaagt 198
```

<210> 748

<211> 909

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(909)

<223> n = A,T,C or G

<400> 748

```
gtagaactna acntngcggg tgaggacaaa actcttcgcg ggncttttcc aagtgggggg 60
aatcgaacgg gtattcnnaa taaagctttt gatggaancc ccccccatg nggaatcggg 120
gcatttgaaa caaagaaagg gaattgncac cgccaanggt ttctttccgg gcccgctttg 180
gggtgggaag aagggttat ttcggtatt tgacttgggg caccaaacaa gaacaaaatc 240
ggcttgcttc ttgaatgcc gcccggtgt tccggggtt gtcaaccgnc aaagggggccg 300
cccggtttct ttttttttca aagaaaacga accttgtccc ggggtgccct tgaaatgaaa 360
cttgcaaggg acgaagggca agccgcccgg ctatcggttg ggttggccac agacggggcc 420
gtttccttgc gcaactgtgc tcgaaccgtt gtcacttgaa gccggggaag gggactgggc 480
ttgctattgg gggccgaaaa tggccggggc aangatctnc tgtcaatctc acctttgctc 540
ctgcccgaga aaagnaccca tcatgggctt gatggcaaat agcggcgggc ttgcaatacg 600
cttgatccc ggcttacctt ggcccattcg aaccacccna agccgaaaac aatnggnatt 660
ngaagccgga ccaccgttac cttcggaat ggnaaccccg gtctttgtcc aaattcagga 720
atgatttctg ggaacnaaaa aaaacaaatt aangggggct ttgcgccaag cccnnaaat 780
tggnttngnc canggttta aangggggcc gccaatgncc cccnanang gcgaaggga 840
tttttcgtcg tgaacccca ttnggcgaan ngncccnngc nntttttcca anaattaaat 900
gggggggga 909
```

<210> 749

<211> 342

<212> DNA

<213> Homo sapiens

<400> 749

```
aggactgggt ggaggctatg tccgcctccc ctggaagccc tcaaggaccc acagaagtct 60
cgagcctgcc agtgtgcagc gggggacaca gatccgcct ctgcaccggg agcatcatgt 120
gaagtctaag aaagccctgc aggaccagcc gtctcacact tgctgtggaa aatcccatca 180
gcacacctct gactccacg tgggaatcac caggccatca ccatcaaacc gccctccgc 240
aggcaaaaac ggcaaacgca gccctcccat gctcaaggga ggtctcatcg ctctgccata 300
gtcctcacia atctccaat acaaccaaga tgtgtctccc cc 342
```

<210> 750

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(216)

<223> n = A,T,C or G

```

<400> 750
gaactgagag acaggatctt gctttgtcac ccanggtgga gtgcggcagc acaatcatag 60
ctcactgnaa ccncgaactt ctaggcttaa gtgatccttt tgacttaacc tccagaacag 120
gnttttaagt catgtgcaaa gaacttactt ctccatactg gaagtagaag tttctcaaaa 180
atttaaaagc aaataaactt atacgtaatt tacttc 216

```

```

<210> 751
<211> 875
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(875)
<223> n = A,T,C or G

```

```

<400> 751
ctcgcggttg agggacaaaa ctcttttcgen ggcttttcaa gtgggggggga tcgacgggta 60
ttcgaataag ctttttgatga aaccgcgccc ccattnggga atcgggncca tttgaacaaa 120
naatgggaat ttggcacccc aggtttctnc cggcccgcctt tgggggttggg aagaaggcta 180
ttcggctatt gacttgggggg cacaaacaag acaaatcggg cttgctcttg atgcccgccc 240
gtgttcgggg cttgtcaacc gcaanggggg cgcgcccggg ttcttttttg tcaaagaccc 300
gaccttgctc cggtgccctt gaatgaaact tgcaagggac gaaggcaagc cgccgggcta 360
ttcgtgggct tggccacnga cggggccggt cctttgcccgc caagcttggtg ctccgacgtt 420
tgtcacttga aagccgggga aaggggactt gggcttgcta tttggggccg aaaagtgcc 480
ggggggcaag gatctccttg tcatctcacc tttgctcctt gcccgaagaa aagtaatncc 540
atcatgggct tgaatgccaa ttgcgggcgg gcttgcataa cccctttgaa tnccggctta 600
nccttgcccc attcgaacca cccaagccga aaacaatttg catttngagc cgaagcaccg 660
ttacttntgg atgggaagcc cggtcnttgg tccaancaag gaatgaatct tgggacccaa 720
aaancaatna aggggggcttt tgcggcccaa ccccnaaatt gtttcgncca nggcttcaa 780
ggggcccgca ttgcccccaa cggngnaaag gaaatnttcg tcntggaanc ccaattgggg 840
gaaagncnc nnnnctttnc caaaaattaa atggyg 875

```

```

<210> 752
<211> 746
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

```

```

<400> 752
tctattnngcn tntgcaaaca tgggatttca aaccngcttg gggggccttt cttggactgg 60
gttcaaacc cnaaaaagcc aagggngggg gaatnaccan tnttnaccna agctgggttg 120
ggcattttcc caaatttctt gggaaagaac cccnaagaac caaaaatttc cgnggagaac 180
cttnattgaa cccanancct nttnggaaat aaccggggcc ttccgggggg cccttgaaagc 240
ttgggaagaa gtttgatggg caaaggctct caagtcaaag ggcacttcaa gcttcaaaaa 300
taccaccacc acctggtttg ccattattaa gaagcttggg aaattaaggc aaaatatggg 360
accagggaaa tcttgaaatt tcttggtgtt gggaaatttg atgaagggtc aaaaagtcaa 420
accaaaattt cttgaaagac gcttgtcagg aagggttaaga aaagaaaagg tatcaagcac 480
acttgatcaa gccagcctaa cttgaaagat gatgtattgg aaaggggaag ttgggagttt 540
gtttgaaaac ccaagggngt ccatgatccc tccccacttg gacctttttt taaanaaaaa 600
ttcttgnngc cccgccattg gtatttaaaa atcctcgcca ttcaagtcnt tccttgcaaa 660
aaaaaaaggg cccnnngggg ggccnattng ggggttgggg ggttaaccag gngtgggnnt 720
tnttttaaaa aagggggggg gggggg 746

```

```

<210> 753
<211> 349
<212> DNA
<213> Homo sapiens

```



```

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 753
gctacctgca agaagtcaga acttgagctc aagaaggaaa atcaactggg tggacccccg 60
ggccttnccc cacacttnnn ccnaaagaaa attggccccc ncccctttgg gaaagcgcca 120
aaccnatggg ggcctttcat tcttttattg ccaccaagac attagggntt caactttccc 180
gcttggcctt naccnttaag aatcattaag aatgccctaa naatgggagg ggcgaatgga 240
ccattaaaag ctagctcttc cttttcctcg gtgggncttg gngggaaagt gacctttttg 300
aaagtaaac cagcaaagta agcattcatc ccaacaaaaa gtggggatt 349

<210> 754
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 754
atcttttcagc cttgtgtgtc atctgcaaat ctgaaccaag aaacaggcat tctctttaga 60
agaaaaaatgt ataggaagcc tgctcagagg aagnaggtg ctccagatga cctctggaag 120
tccctgccag gcttatgttt tgaattttct gtaacatttt attatgtaaa acagacncat 180
tagctatgtt tactcaggca catggaagaa gattgagaca attacctaaa aattcactgt 240
gacttttcag taaatgttat taaagaaaaa gtggg 275

<210> 755
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 755
atgggagtctc gctctgttgg cccagggctg ggaagtccag tgggcacgaa tctttgggct 60
tcgggtgnaa cttttcaact ttccgggggt tcaaaggcga atttttcttg gctttaagcc 120
ctcccgaagt ggggcggggg aactacagaa agaacaaggc ttgaaatggg tttccaagtc 180
ttttcaagtc ctggctcctt gggccaaaca acttgggacc tcttcaaaaa gtctaagcca 240
aactccttct tccaagccgc ctttgataaa acaaaccctc tcatgcttgg gaaaccacaa 300
gcaagtgggg gcttgttttt ctccctcatg caccccaagg gaaagcctct cctcttttgc 360
cttggggctt tctttcccaa gggccttaag cttgccaaac ccattttaca ccattgccg 420
aaagcccaag tcaagtcacc ttgaaagaaa aagggaagac tcacaagaaa gggcccaaag 480
atgaaaaaga ctctttaaat ccttgggggg ctttttgaag tttttggttt ttaagcaagg 540
gaaagacctt atttttaaaa aacaaaattg gttacacaag aaaattttgc caagtttacc 600
aggaacaaga tggaaatnaa aggacattta tnggnctnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnngnaa nggggggggg gggggggggg nttttttttt tgnngggttt 720
taaaaanggg ggggtttntt ttttttnaaa aagggggggg gggggggg 768

<210> 756
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)

```

<223> n = A,T,C or G

<400> 756

```
ttcttttgact gccactttng cagggncctc aatcacttcc tttgggcctc ctggtatggg 60
gtggatgccc tccacttaag ttctggcccg atgtgctgta agcagaagta acgtgtagca 120
cttccaggaa atctctttat aagacagttg tcagatgcca gtttttttcc cttccactg 180
cattattact gccaggttca tagccattct gaggatttca gaaggctgat ctctggagaa 240
ctgagggggtt cgaaagattg acttctcagg agcagggctg agaatggaat gggcccttaa 300
tacctgacag tttcccaagc cctgatgaca caaagccagt gtaattaatt cagaacataa 360
ggcttctgat tccattactg actcatcacc agtaagtggc agcagcagca gaaagtcact 420
taagcttctt gtgatcatgg caccgtgatg ggcattctgc atgctcctgn ctgctgacaa 480
tggcacatat ctgcagtgac gtggggccgt ttggaaagtg agtagcntgg ggtagggnc 540
tttaaaaaat gggggtggga tgcagntttg caaangctgn gggtagaagn acccctgggt 600
gaaacaactt tc 612
```

<210> 757

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(139)

<223> n = A,T,C or G

<400> 757

```
ccgaagcaca ctgagatgcg cngnctggac nagnctatcg tggatggaaa tgggagttgg 60
tggaanagag tcactctgnt gctgctggcc gtacaagatc gctttcccca aggaaataaa 120
ttacatttca ttctctatt 139
```

<210> 758

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 758

```
acactgaggc agtgggagag ctggaggagc ctgntacaaa cctcagccca ttagcatcnc 60
ccagctctgt ctttnganaa gatgactgan aggaaggtgg tnttgagaaa acaaagcatn 120
cancctttgt gaagcnganc cttaaggtcc cctctccagn cntggntgac ccanaccct 180
cnttttcttc tctggcntcc aacttnaagg attggcctgt ttccctttta ctatagctac 240
cactcagctn actcgctgaa naaggcanag cccacgcctc ctggcacaag ntteccctnn 300
gctacctaag gcaagcgaat gagtcttttt catngtaatg aactgtattt cccttctttt 360
ggaaaaccng gggggtaaac aaataata 388
```

<210> 759

<211> 178

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(178)

<223> n = A,T,C or G

<400> 759

```
ttgcacaagt tggttattnc ncaggtggac cccnttnaaa agatggnttt taaaaggaat 60
ggaccaanaa ttatttttga ttggaaaaga atggggcccn aaccaaggn ggnttacctt 120
ggnttaccctt ttcttgaat aaaaaggttt tcattcacct taggttttca cccattgg 178
```

<210> 760
 <211> 586
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(586)
 <223> n = A,T,C or G

```
<400> 760
cngaactnga ggaancagng ttcttagttn ggaatngggg gaaagtctnt tcaccaaccc 60
agggctttat ttccccccc ccaaggaatc ttatttgctt tctttaangg gccccgggct 120
tcacttttccc ngggaggaac ttgaagaatg ggcttggaaa aaatggaaag aaacaggggg 180
aaaacttttg gaccccagaa gacattactt caggagggaa aagaaacgct tgttggtgaa 240
agggcgggag ggccaagaag ggtcaagggg gggattcatc tattgaagcc accaagactt 300
gccacaagac ttgccaagcc aaccctcacc aagaagccag ggaagaagag gcaccaaggg 360
gcaagaagtc tacctcatal ccctcaagaa agggaggtca aaccgggtgc ttgatacctt 420
ggatttcttg acctttacct ttcaagaaac ttgtggaaga caaataanat ttctattgtg 480
taaggccaaa aaaaaaaagg gggcccgggg gggggccant tcagnttggg ggacttaacc 540
aggggttgaag ctttgtttta aanggggggg gggggggggc ccccc 586
```

<210> 761
 <211> 572
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(572)
 <223> n = A,T,C or G

```
<400> 761
tgagctcctg cagnagtaga actgaactcn tcatattcca ganctcaagc tnccaccatc 60
atgcagnaag ggctctancc cnctctacga tgctacngnc aacaggatct ncaggccacn 120
gctcngggccc aggtactcac atcagtgggt ctatcaacac tcaggacaga cccatagaag 180
aggcccaagc aggccctgga agtgcatgtg gagggcacca ggcaaggaat tctggagtcc 240
cagatcatat ctgggtgtcc atcagcatgt tacttcacat ctctgtacct cagtttattc 300
atctttcaaa tggaaagcaac atatagagct gccttataga gttgctctgg gtattagatg 360
tataatatat gtgaactgct tggtagtggt cctgggtatat ggnatgtgct caataaatga 420
nagntgggtta ttattgncat ttattatcat catcatcatc atcataatta aatattattc 480
caagccacaa tgtggttctn atagncaaca attattttaat aaatgnaacc ttttccaaac 540
ttccgatctg nnaaatttna aaaaatattt tc 572
```

<210> 762
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(544)
 <223> n = A,T,C or G

```
<400> 762
gcagcctgca ttaacgagnc tgagatcaag tgaaatccaa tgacatcaat aatcctgaat 60
ttcttcttca cactcactca tgaaaagtct ccgattttcc caccttgctc agccacctta 120
agtgccttcc ttcaagatat ttctactgct ttctaaagag gatctcccat tggcttgga 180
gcagcgtgag aagagacttg tacacagaga ggctgggcaa cttgtacatg gttgcacaga 240
tgtccagagg cagtgtctgag atgtgaacac aggaagactg gattcagcat ctgtgctact 300
aaccaggaca ctatgaagtc tctcatacct gtggtactag gaaaatcaga gaaaatttca 360
aggaggggtg ggcattagaa gctgactatg gaggaacccg nangagattg attttttggn 420
aaannaaagg gccnggcctt tgcnggtaaa aaaangggag tgttttctgg atgccaacac 480
```

```

atttggggcg ggcctaanat cangaataga tgggctggat cttcagnatg gacttaaggt 540
tctg                                         544

```

```

<210> 763
<211> 658
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

```

```

<400> 763
ggctacctgc attnggngac tgagatggga gaaaaatgag ttcaatcagt agactcccat 60
gaccctttca aggtgaccca tcattctttt tccagaaagt ggcagcttnc ttattttggg 120
ataagcgacg acagacgaga aaccacaaag aatctgcaga cgcgagactc cctgacctgc 180
agatatacag ccatctccaa taagtctaca tttaaactaa aacttctcct gttgagcaag 240
cataatgtgg aattatgtta gcaagacctt atgcactccc acaaatttcc tcccaataaa 300
aaaaactgtt atcaaaggat tgtcaccccc ccagacatac agcactgcag ggaaaaagga 360
gccagacag cgttggggag ttgacctctg gccgcacgcc tggggtcagt ggagatctat 420
gttgacttta tctgtgtgcc ctttaaggag gcctcttgct taaaataact aangngccnc 480
taaattacac ttacttgnaa tgctggatta atggattctt ntacaaangn tgaaanacct 540
gggcttttgg ccttcatgan cctaanttta actaccatga agcttctgaa tctctaccca 600
tttggggtna ctnccttttg ggnaaaaana agaggtnat caataagcct ttttgagc 658

```

```

<210> 764
<211> 658
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

```

```

<400> 764
ggctcctgca tcggtanact gagtagtgtc tagnagncan aaagacagtc tctgctggc 60
tttgatggaa agagcaacca ggaatgagtt ctacagctgc aagggaagtga attctgccaa 120
caaccaccag agcatggaag agaaccctga ggcttatatg aaactgcagc ccctgtcaaa 180
actgattaca gacttagaag accctgagaa gagaactaag ttctttctgc attcctgacc 240
cacaaaactc caaggcccga tagctctggg aaagcagaac ttggcctttt ccaaaaattt 300
tctgcccttg gttttgggga tcatttgggc aagcccagag tgctgtgcat gggggctcct 360
ggaatcctga gaagggcaga aagccttggc ccagactca tcgtgcagca gctctgagca 420
gtatttcggc tgaggagtga cttcaagtga atattcagct gaggagtcct tggccacgtg 480
tcacaaccct acttnttggg ggccctgggg naaaaggcgg cntaaaaagg ttccaagggc 540
ccaacttga aatggnctgn attgcttggg tcacaccagg cggtaattha nccttctttt 600
gagctggtaa ncgctgnct ctgaggctgg gngagaaaaa tatcacaagg gcccaaag 658

```

```

<210> 765
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

```

```

<400> 765
gttggttttg tagaagaaat gatgtcctgg aaaattgctt tgaattgtac catctcagaa 60
gtggggaaaa aaaaaaggtt cttcatttaa naggtagccg ngagcacaca tttaacctat 120
acccggaaca acatgaagct ctgggagtc naatgccttc ggctgatatt atttatggaa 180

```

gcccaccana	tgtttttntc	aatcccanaa	gccagggctg	ctgaaatacc	tnttcacata	240
anaatgcacc	tacatcagga	gcacagccaa	aacctcagtg	aaacatgcct	ttcactgatt	300
gctttctgcg	ggggtaaact	cccgc aaagg	acaaacccag	gacagtgagc	gggtgtgtnt	360
gnttgttnt	aaaaaaaccg	ggggctcccc	ggatttnggt	tctntncctt	ggaagngcnn	420
cccctgcctt	nttttttaaaa	agnggttaaa	tgatgttaaa	gacttgcctt	tgactgnggg	480
ttgaaccagg	tgtccatgcc	atttctc				507

<210> 766

<211> 186

<212> DNA

<213> Homo sapiens

<400> 766

gtgaagaaat	gagccataga	gaaggacttg	cccaagatca	cacagcaggc	agagccggga	60
catgaaacta	agcattctgg	ctccagagtc	cacgttttta	actcaacgga	atactcagca	120
atggctgagt	ctacgccctg	tcgtcccttc	ctgggtctca	cagaatggaa	ataaatgtct	180
caactc						186

<210> 767

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (225)

<223> n = A,T,C or G

<400> 767

atgaggccca	gagaagctga	ctgactcaac	cagtgtcaca	ctatagtcgt	aaaaccagaa	60
ctatcttatg	tagtcaactaa	tttatgaaca	gcttgggtat	ctgaagtta	agccagctgt	120
ttaaaacaga	acgaaatgtt	ctatggtatt	aacatataag	tgtaattaa	ttaaattacc	180
agactacata	cacaccaaaa	aaaannnggg	cngggggggc	caatt		225

<210> 768

<211> 290

<212> DNA

<213> Homo sapiens

<400> 768

gcaacaacgg	tcacatcctt	tcccttctgt	gtctcagcca	cagtgtgggt	gtgaacaaga	60
aaccaagca	gcacccctcat	cctatctgca	gctacgatga	ggactccaac	acttcctcaa	120
ccacatgacc	actcggattc	aggtgctaaa	gaagcacttg	tttaaaatag	ctaaattgtg	180
gtcctgaat	tagctatgcc	aactattttc	agttacaagt	cttcacaata	ttttattaaa	240
gtattaagtc	aatgattaac	actgagaata	aaaaaatatt	tgccctttct		290

<210> 769

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (524)

<223> n = A,T,C or G

<400> 769

gtcagacctg	gagaagtgcg	gagacaatgg	tggggaaagc	cccttacaaa	accatcagat	60
ctcgtgagaa	ctcatccaca	tcacaagaac	agcatgaaga	aacggaacaa	ggggaatgca	120
atctcacagg	atggaaataa	cctgtgggtga	attgttgcca	tccagatcca	cttttaagtc	180
cacatgggtc	attcattttg	gactagatcc	tggtacagcc	cagtgaactg	atattcttga	240
aatcaggcac	agaggctctg	aagtaatgca	ttacatttgc	atccatgatt	tgcttaaaat	300
gttcatttta	gccttttcctc	ccaggaaaca	aagccagcag	tatttgatta	ttgaatagct	360

```

cgttttggat gcttaanttt ggaaaaaatt tttttaaaat ttngggaaac ttggnnntttt 420
acaaaatgaa tcatgagttt tttttcaagt tttganttgg ctccaagggt tgaaataact 480
tanaagtcta ggatcattat atattagctc tattttacat gctc 524

```

```

<210> 770
<211> 173
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

```

```

<400> 770
ggccagacct ctgcagaagt ggtgtcaatc acttnactcn tttcnttagc ctactgggcc 60
ccccnnttan nancccnaaa aacttttncca aaggaaatca aactacagaa cagcaacaaa 120
ctcaaaaaat taacatttgg cttttgtgtt attaaaaatat tttctcagca gac 173

```

```

<210> 771
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

```

```

<400> 771
gctccttcat ccccaaacag gaactgctgc aaggcccgcg gcagccatgg gtgagtggct 60
ctggagatgg ggttaagtggc ctacgcaccc cagaggaaca gctggcagcc tagtcttcgg 120
gcagcagctc cactcagccc tggggaatga cagatacaga caaccagtta tgccagtga 180
gtgccctaaa ctagagatag ctggggcgct gtcagccacc ttaacagtga gaagaagcaa 240
caggatgaag tggaacagc gtcacacaga tggagcctcg aatcccagca tgctagccat 300
gtgtcatctt catagtcttc ctaacgtctg tggcctcaga tgccacatca gtaaattggca 360
caccatatgt gatttaggct aaggggcctga gtgtaataag ttgcttaaga attatagccc 420
ttcttaataa aatggagaaa cagtcctatg ttnnnnnnnnn nnnnnnnnnnn 480
nnnnnnngggg gggggggggg cctttttntt tgggtntaaa ccgggttntt tttttaaaaa 540
ggggggggg 548

```

```

<210> 772
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

```

```

<400> 772
cagcgcctgg cagtctgcat catttcgcc cagtgtgaaa ccattggctg atgtataaag 60
tggaagcccc aggaacctct caaggccag cttcagcctc accttccctg tggctcttct 120
caagcagacc cataccaagc tctctgtgct ttggaaactg ccagtggagt gaagtgggga 180
ggcatcggag cgacagccac gttgtatgcc tgctgcacga gccagaccgc aggacaatac 240
tcaatgagag gcaccaacat ccatcctggc tgagctgatg atgggtgagag gccacagagc 300
catgaaaatg acttggagca gcctccatgt attcctcagg gttgaatcat tgtgtgcacc 360
acanancaat tttntttttt taaaaaaaag ntaaacactt gngaaaaaaa gggggtaggg 420
cccnttcctt gttttgacca aggaacaaat gcaaaccaga ccctgcttct ntcaccangc 480
anaagcttgc tctttcaatt cagagatata ttcaaggacc caattatgct cg 532

```

```

<210> 773

```

<211> 8
<212> DNA
<213> Homo sapiens

<400> 773
gcaagaag

8

<210> 774
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 774
ccccctgcnc atgaagaagc ccattctgtgg taggagagag tgatgccnac ncaccagaga 60
aaagaaacga gagagaaaagc agagagacag agacagagag agcgagcatt ctgaaggcca 120
gtcccccttc cctgtgtgctt cccaggtcct gtgcttgcca ataaactgcc ctttttcttc 180

<210> 775
<211> 121
<212> DNA
<213> Homo sapiens

<400> 775
aatatgttga atcctaatta ccaactcgat agtattagga gatgggacct ttgagaagtg 60
attagggttat aaggatggag ccctcatgga cgggattaat ggaaagagaa gaaaagaaaa 120
g 121

<210> 776
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 776
ggctggggcga cacctctgct ccactgacaa cagcctatcc caggcccatg gtgcaccctt 60
ccagcatgca ggagaaggga atgcctcctg actgaccaag gaagccacct gcaatctctc 120
tccagacctc ccgcctttct ggtccctggg ctccctgtga cctgtttccc aagtcctccc 180
ctccagggct taagagggaa gaagaagtga cataggacag tctcccccac ggcagcctga 240
aaggaccttt gtgcagaggc cagcatccag agcaggacaa cctcagtgag gcttcctccc 300
aactccccct ttaccacaaa agcccttnag caagctnggn cntttaaaat aacanaance 360
ccaanntgga aggggccctt gaagtcatta tggaacatcc tcagatcaan aaatgaggca 420
aaggatatttg gggaaataaa agctcaagag gggcggaag ta 462

<210> 777
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

```

<400> 777
catctgcatt aagcgcantg aggctacatg tacacagttg tgcagctgaa gagaccaacc 60
agagctggaa tccagcctac attccagtc aacacgcagt atccggacat aaagggagta 120
ctttttccta atcattaaga ctcaatatga gctagtggga gatatgactg aagtcattgac 180
ccaatctaaa ttaacatcat tatataatca actgcattaa ctaaaaatgg caagtataca 240
gcctcaaatac aataaaggat gtatgcaaaa aaaaaaagg nnnnggggnc nnttnagntn 300
ggnnttancc aggnngaact tgttnaaaag gggggggggg g 341

```

```

<210> 778
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

```

```

<400> 778
gaactgagga aagagaagcc agctctataa tttcacaaag tctccccacc ttactcatct 60
cgagtagtga ccaccgtgaa tgggtcccacc gccagcctct tgggaggcag ccgggggaaag 120
cactccatcc tgggacttag gagcatgaac tctggagaaa cacagacctg tgttcaaatac 180
cgagtccact gcgtcctcac aatgtgatct tggacacaga tccaatgtgc acagcaaggc 240
attcaaatac cacaagggtc agatcctcca aaggaatttc gccttcagct ctgactccca 300
gttccccagt ttacctgtct ggagccacca tttagaagct tatgtatata aagaattgct 360
gacacagaga cacgaagtga gcatttgctn gttgggggaaa aaagggggcn taatntnttt 420
naccaggaat tgccacaanc cttnaatttt gtaaaacaag gcccaacaaa acaaggtatg 480
cggaagcagt ccaggcagta caatcagcca aaactgatta tga 523

```

```

<210> 779
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

```

```

<400> 779
agaactgagc acctctgctg attgtggtgg cttacccaag gcatatccag atcctcattc 60
ccaaggaatac tcagtccctg gtcccctgct gctgcattta accacttatc atcaataaca 120
aacaagggag tatgaagaat gaattccttg cgtgacaaaac atttttctcc ctgcccattg 180
tgcaacagaa gtgacacttc ctccagatat tcagggttaa ttacctctgc tagaattgtg 240
acttgaatta ctgttttaag ccaactcatt ctttaataca gttcagactt ttgcctcatt 300
cattcgctga ttgttacaga ggtgtaagtt cagaggttgc catctagcct tcctcactac 360
aatagcttta atccacaggc cnaggaaccn cgtgngaaaa aatnggctgg gttcccaaag 420
ngggnttttt ccaactatca ttcaggcnct ggaaaaaagg acttctgact gagtctggga 480
acccgatggc ncattgcaat ttaaaag 507

```

```

<210> 780
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

```

```

<400> 780
cagccggaat gatgctctga agaccttggt ggacagtgca ctcttcactc aaacctgcag 60
cagatggaat gatgctctga agaccttggt ggacagtgca ctcttcactc aaacctgcag 120

```



```

cagctggaac gatgctctga agaccgtggt ggaccatgca ctcttcactc aaacctgcag 180
ggctcccga tctcttctgg agcagaagcc cacctgccag ctcatcccga ctgtgctgct 240
gcctcctctt cccactggc tcagccatcc atcaggcctt gtgcatgcag ctggccagct 300
ccctctccag ggaacacttt tcccctgcat ctacttggcc aacttcctga tctcttttaa 360
ctcattcacc ttctcaangg gacagantaa cgctttgggg actnaagncc aacantctng 420
acccatctcc aangtttcta tccctngttg gctcctacag gacataccct atttgctt 478

```

```

<210> 781
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

```

```

<400> 781
gaggatgcag cactggcccc acagcgcccc catcctggct ctggaaacac tcggtctcct 60
gattcagtgga ggctacacgg aagcatgagg ccagcttttg ggacaactat gacatctgca 120
aggctgcaaaa gaggttttag ggcgagctcc aggctgggtct ctgcggccaa ctgactgtgc 180
gtcacgggttc aggagtcctt gcagtagcca cagccgtgct cctgtaaaac gtttgtgggt 240
cctatgttta cattctctga ctctgaaacc atcgatgtca ccaaacacac tcctgttggc 300
ctgtgttttaa cacaatccaa ttcagacaca tgaanatgat nangtgtggg gtgccaaagct 360
gaaagtgcta ctttcagttt ggtaaaagna aaatnntaaa agnactaact ttaacatccc 420
aaaaaattat tnttatacca aaaacatttt tagagattga agaacagtat aaaacctttt 480
cctgttcact g 491

```

```

<210> 782
<211> 193
<212> DNA
<213> Homo sapiens

```

```

<400> 782
cctcaggtgg tcgctggagg atgaagatgt gtctgaggct gactgagatg agctaattggc 60
ctgctgcccc ccagatacaa gaatgagctc cagccaagac cagaagaaca tccccctgc 120
ccaagcgtag ccaaggtcaa cagaactgac cacatgaccc atggactcgt gagaaataaa 180
ttatggttgc tgt 193

```

```

<210> 783
<211> 537
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

```

```

<400> 783
acgcctgact gaggtgttac aagatgnng gtgccagcat ctgcttctgg ggacagcctc 60
aggaatcttt caatcatgga agaagtgtc cccctggaaa tcagagaact gtgtgtatag 120
aagatggaag atgagagaga tatggaagt ttattatgat ggaagtagaa atgtctgaga 180
aagtgaagat ctagaggctc aaaagttgcc tggagactct agactggaga agaaatggaa 240
gtatagagag gttgaccagc tcaaatcact ctctcaggaa gcttcagagc tgagatccaa 300
gctccagggg acttggcttc aaggccagag ccactgggtc agagtgccat agattagagc 360
taggtattta tgggaaatgn ggnattctnt aaaatgggtc ccaggganaa ancttttggg 420
gggaaaaaaa tttgacctcc ctnatcctct ccacaatctc tttaacatct catatctggc 480
atggccacac agttcaaggc attcaaacga ttgccttcat gggtttcttg ctgatgg 537

```

```

<210> 784
<211> 241
<212> DNA

```

<213> Homo sapiens

<400> 784

```
ctgttatacct cctatattgta aaacggaggc acctgggacc cagctccagc aaggagagtg 60
aggatccgac tccaggaggc acctcaggac caaaggcctc aaggccaaca ccttccacgg 120
cacaagcccc acagggtctgc aggaccgcta caagcagcgg accatccctt tctcttcttg 180
actatgtttt cccctgatgc tttgctttcc acatagaaga gttttccatt ttcgtggggg 240
c 241
```

<210> 785

<211> 308

<212> DNA

<213> Homo sapiens

<400> 785

```
aactgaggag ggaaatttgg acatggacac ataggggaaga cagccatgtg gagacagagg 60
cagaggtgga cctgctgccc caaaaccaca gggcgccaag tactgtgggc cactgagaaa 120
actaaaggag aggaaggatt cttccctgga gctttggaga ggggtcggcc ctactttcac 180
ctggatttca gacttcagac ttccagaacc atgaaggaat aagctctctt tgtttcaaaa 240
ccactcagtc aaggcacttt gttacaacag cctaggaaac taatacagga attggtatta 300
gtaaaatc 308
```

<210> 786

<211> 377

<212> DNA

<213> Homo sapiens

<400> 786

```
aactgagcat ctgcctcctg tgtccctctt ttcctgttg tacggctaac accagatccc 60
agtctcttca gtggcactca actttttcaa gtcacaagat ggaagcgctt tggaagagga 120
gtaaaggacc tggactctga ttccatgcc cgcgaaactc gggcaggcac ttcaaagcag 180
agagtctcat tttccacttc tgaaaaacac atggctctaga tgagctctaa gtcctttgca 240
ctcaataatt tcacagtctt ttttattatt aatattattt tcaattgaaa aatcataatt 300
gtatatttat ggggtacaat gtgatgtttt gatatatgta ttcaataagg aattattaaa 360
tcaagataat taacatt 377
```

<210> 787

<211> 208

<212> DNA

<213> Homo sapiens

<400> 787

```
gtaagcagac ctctcctgtg atgttctgga tatgcctgtc tcaacagatt tcagggtggc 60
cgtcttctct gcaaattcag ttctctgatg tgtccaagcc ttttcttgcc tataaatcca 120
gcctcttctc aactcaacag aacattcaat tttatagaat gaggtgttgc ctattctag 180
aaccacaata aaagccaatt tgatcttt 208
```

<210> 788

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(523)

<223> n = A,T,C or G

<400> 788

```
agtagactga ggcccaaaat gcatggcaca gggaaggggt tgacaacttt ttgatggatg 60
aacaagaag attcaagcca cttgtcaaca agctcaaagt gattgaaagt ggaagcattt 120
acccacacgc tcatgcagaa atgacagga aatcatccag agacacttgt gacagagatg 180
agaactgtca ctgttgagag gtgctgcgga gatgggtgtc cacggatgac cgttcggagg 240
ccgacttcgg ggatgtggcc ccattagctc aagagtgggt gactccctac cacactgatg 300
```

```
gcgttggcca ggacaggaca agcctactgc agtgacacag tgtcactgat ccctgatgcc 360
cacgtgggng gtttactttn actaaagccg ggnanaaana ttgcaacaag anaattgagg 420
ccccagcgnt gagcagccca atcacctggg tgtaagcagc gaagtgtttt ttggctntgc 480
tcntgggccc caaaccactg tgggctcacg aaagaatcct tca 523
```

```
<210> 789
<211> 501
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G
```

```
<400> 789
aatttatttg actccaagtc cttgatcagg aagacaactc ctaaagataa caatcttcct 60
aaaggaaaat gggactgttt tacaaggagc cacagaatgg tggatctgag aatccaacat 120
agggaaaccc actgcttcat ctaccattat gcgcttgat atgcatgact tcagggataa 180
atgggagcca gaagtacaaa ggaatcttca gtagtagaca aaacgcagaa cccttcacgg 240
tttgaccagg gtcattgtgt gtctgcctgg tcatttgacc agctcttacg aatcaggaac 300
ccagctgaac ctgagttgaa ccagcccctc caacagaact gaggggattt ggggctgata 360
agctcantgc tatgtttaca cgnnccgctt tttntaaaag ttgcagtgtt tgnaaatgga 420
anctatatatt ggtngcata tgatttctat aatgnattac tgncccaccc ctgcacatcc 480
ttcagagaac agtaaccagc c 501
```

```
<210> 790
<211> 506
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(506)
<223> n = A,T,C or G
```

```
<400> 790
atatttcctc caggagtaat ggatgcctga tcatctgaga ttacatctgc ttcacgcata 60
caaaactgcat aaggcaatga tgttgagag gctccacatc atcactcacg ttcagaacag 120
acaggagcag cagcaggaaa ggaggctgga aattaaatcg tgaacttttg gattgtgatt 180
ttaaaaatat atctgaaatt atcatgtaca tgaataataa cttgtaatag aaatagaaaa 240
gataaactcc taagataatg taaaaagcta aatattttta atattcatct tttttatggt 300
tgagtgaatg tttgatattc catgttatct tgattatctc tgacctctaa atacctggat 360
ctccaccccc tctatnttct tanatccctt ttccnnaaag ggaaaagcct gggctttaat 420
tggaggaaaa taancctaaa agcctggccg ataggggaaa ttttttttct agttttaatt 480
tgaatatatta tcatcaaact gaactt 506
```

```
<210> 791
<211> 421
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G
```

```
<400> 791
acgggtctga agaagcaagg actggcaagt ctgatcccc actctgattc tcattgctga 60
atgtctgggt cttccttggt tacctgctgg ggtgggagac tgctcgcagc atacctggcc 120
tatgacatgc ctagctctct ggggtggatc ttggacagga agactgcttc tgccagagta 180
aagaatatga cggagctcct catccgatgg agcctctggg aagaggcgaa gagccagctg 240
gaagcgtggg gggcctccgc tgccagcagg acagatgcat caagtcagggt ttatgggaga 300
```

```

agtccttccca gaccactatg tccaaacttc tgtccatnct gctataaccn ntttcnncgt 360
tnagtnnggn ngaaaaccan accanttcen ccttggccaa aagctgcaaa gataagaacc 420
c 421

```

```

<210> 792
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

```

```

<400> 792
agaactgaga aaccatgaag ttatttggat gatagataca gagatacgct gctcagatgc 60
ccctttcaag aaagaacttg ctgcctcttg ctcaagtttc ttcctggagc tttcaagcat 120
ctttgcaggg aagtcacatc cttcccaggg cagcccgact gaccaagaca cggataacctg 180
aagctatgat aaccttcttg tgaccaggag acaacaagca gaaggccaaa aatacccaag 240
aatggcagag cagaaggatg gaaggagctg ggcttcatta taacattgga gagtagccag 300
accaacaact ccagcaacca aataactctg ttttcttttt aaanggggta ttaaatgacc 360
g 361

```

```

<210> 793
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 793
tctgggtacaa tgcctgtcgt cacataagtc tggcttcttt atgtgcttga ggaaaaagga 60
ttgaaaacga agatcagaac ccagcgcacg acaatgggat cattttttca gacacagcct 120
cctgcttcag ggagctctgc ctttcttgcg ggagcaccga cctccgaagc cagcacaaca 180
gacctccag gctgccccca gtctcttccc ctgccccttt gaacttaaca ttgctgttta 240
gtgctgcctc tggatggtct gttaacctta ccatgctttg agtcaaactg gactgaagta 300
gacttctggt caaaac 316

```

```

<210> 794
<211> 556
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

```

```

<400> 794
ggcnggtcna nccttnnggt tttngcntaa nncnngnccn ncnngttnga aannggggnc 60
ctcnagaaac naaaaccatn gtancccntt gatccccna cggnggtcc caaaaaacaa 120
ggaagcttcg aggccatgag caaaatatac caagcccaag tggaaaccaa gcttgtcttn 180
ccccatctga cccggtggtg cttttgggcc attgggcatg ttcttcaccc gcctgggggtt 240
cttcgtttac cgaangtcac ctctaccaa gtacactcgn ggataatcta taaaagaact 300
cctcatcttc cttaagtggg cctcactct tcatggggct tttgggaagg cctccttcc 360
ttgcttggct cttgggggtg gnaatctaac cgtgnggagc acccccaang ggngaaaaaa 420
accacaaaaan ggggnnttct ttgnaaaacc cnggcttttt tggnaaaaaan aacttttttt 480
tttaactggg ggggnnggga aagnggnccc accctggctt gggtaataa ataaaatggc 540
cggaatgtca taagcc 556

```

```

<210> 795
<211> 511
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(511)
 <223> n = A,T,C or G

<400> 795
 attaaaaaaa gaaaatgtga atatgaaagc agagagtgtg agtgaagaag gcacaaacag 60
 aaggacattg ggaacaagca gccgctaata atcatcataa cngactcagg ctggatctga 120
 gaaaaggaaa aaaagtggat aaagagtgtg cacttctgtt ggggcaatga ctccggggcg 180
 gaagaggctg aaagaaagga ccaatgcagg gagggaaaaga aattgcccac ctccctccag 240
 ggaatgtaga tgaaaacata tagacacaat tgggagaaaaa tttggggcag ctgatctgac 300
 tatgaactgt tttgataaga tgaatgacca gaactcccaa tactncttga gnagaaaaatn 360
 ttcccctgcc cctacaanaa naggtctnga anacactgtt tgaactcaga ccatcacaaa 420
 agaacagtat gattattgac tttcaatgag tttcttacaa ttttatacct aattactatg 480
 ctggcaataa tgattatgta gaccattaaa t 511

<210> 796
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(511)
 <223> n = A,T,C or G

<400> 796
 actgaggtaa gaagtctgta attttgactg agaatgaaaa ccctgctgac atgatgattt 60
 gtggcagata atgcaactga ttccatagag atcgcttgag atcacaagtg atgtgaacaa 120
 tcaatctgaa aaataaaatt tattcaggcc atcacttcaa gagaacacta tgaatagggtg 180
 ctggatctaa tgacctttca atggaatggc cacttaattc aatccaggaa atgtttgaga 240
 gtcaagttaga tcaagggaga catttaatga catgggggaca agcatgggtac cccagggata 300
 ttccaggaat tgagacccta ttgtaccttc aaacctgaga ttgnatgaat tctccactat 360
 ttgggggggct tgggttncct ttntctcccc tncaaaaaag gnctaaancc atcttgcata 420
 gctttaaaat gaaaanctct attagcaaag tttgtaaatt aactcttaaa ggctcttttc 480
 aaggtagatt aaaaataagc tggaaccctt g 511

<210> 797
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(525)
 <223> n = A,T,C or G

<400> 797
 agaactgagg cttccagggc tgtggggcca aatgtgccct ctctgccct catggcaagc 60
 ctcagttcct gagttctcat ctttcttcc ttgctacaat cagaactgag tctagcacc 120
 ttcaggacaa atccagatcc ccaggagaga cagcctgatg agttcagctt ggaaagggtc 180
 tgttcctgtc ctatcagctg tggccagcgt gccagggtca cgtaccagtg cgactgccac 240
 agcacggccc atctgtccag gagtagttct cagtcaacgg gctccagctg ggactcaggc 300
 tgaatagatg cccacaagga tgtctgctac cacatgtaaa gtgccccaaa gcaggacaag 360
 ggctcaacna gggngggccc cgtttaatna agggaattct gngtctgtct ganaanaaag 420
 tgggcgatga gcaataacaa ggctgtcgt ccatctggaa gaactccagc cccccccaa 480
 actttcaggt gcatagaacc acctggacat aagacacaaa cattt 525

<210> 798
 <211> 321
 <212> DNA
 <213> Homo sapiens

```

<400> 798
acaaataatc tctacagtgg acctcaagac ttcatactaa gattctgaag atgattgagt 60
caatggatga gtgtaacgaa cttttggaaa cttcaaggca attaaaggaa actgcaggag 120
gaccagaaaa gatcaagacc agggcacgag ggctgatcca aacaacgggg gccggcattt 180
gtgatcttgg gtagagccac cccagtgtgg gtcaactcca cagcattagg aaaaccagtt 240
tatcagaatt accttctcaa gcaatagatc tgttccttgt cacattctta gaactaataa 300
agacttatct ttattactac t                                     321

```

```

<210> 799
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(354)
<223> n = A,T,C or G

```

```

<400> 799
actcctgcat taggtncaac tgagtttggga gatcttcccc aatatgccca gtggattctc 60
ccaccagggc caggtaacct tcctcaccag aggtgagcat cttgggaaaa agtacatcct 120
gtctttgccc ccagaggtga cttcaaagag gcaggtatgg tcaagagaga cactggaaga 180
tggaagttac ttcagtgttc cagttgctgg tgtagccagg gcttcacagc gtggaagtat 240
ggcatcatga tgtctactgc acatctattc ccaacccccat attcagttgt ttcatgtagt 300
ctcttgaaat ctatggaaac tagaaaacac tacaaataaa gccttgattt attg          354

```

```

<210> 800
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<400> 800
atgaagaaaag tgaagtccag taaagatcaa gtagacctct catgtagaca gcgggaaaga 60
gctaagacta gaactcagat ctccaaacag ctacaacagc tctgtttcca gcaatgacaa 120
gttactgggt ccaagaatgc tcttccttgg atctcagcgc cttcctcagg accctctctg 180
cgttcctcac atgctccagt gccacgtgaa caatgaagct tccctgagct ggactgcaat 240
ccagcaagtg gctattcttt caacagtgga gactgggctt cgctgccagg gaaagtccca 300
ttttaaggga gaatttgagc tgggccggga ctgcatatc ttgtgaccac agaaagatca 360
aacagggcac cttgagtatg tgagtctatg agttttacca ttgaaaaca          409

```

```

<210> 801
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

```

```

<400> 801
ggctcctgct tagtcnaact gagatgcaga aaccggcccc agggaagacg cagcttgagc 60
aaggtcaccg gcagtttcct ttgcagtaaa atgggaataa aaagaaaatc tacataacag 120
tagatattct gtgaggatta cgtgaattca tatttgaaga gtgagtagaa gggttcctgg 180
cacaagctct acaagtgtgg ctggaatgaa tatgatgatg aggatgaaga tgaggatggc 240
ggggctggag ctcaagtgcc atactgtgtc ctggagcaga agccacgtgt tgaggacagt 300
ctggaccctt aacgagggtt gagccaccga caccagcctg tgactgttta cctcttgagt 360
ttgtttacag gagaanaaaa taaactctct ccctttgtt          399

```

```

<210> 802
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 802
actcctgatt agtnnaactg aggaataact ttcttctatc ttcaccttcc cttttggcta 60
cagcctttaag aagaagtggc agaaaaacat ctgagatgaa gagagaccct aggttcctga 120
catgtccagc ctctgagtca tagaggtcat ataaaaaagt aagagagaga aaattgtgag 180
agataggctg ccctaagagt ggaaggcatt gaatgttaca cacagtttgg agtcatttgc 240
agacaatggg tattaacctt tagttttggt catgaataaa tagcttattg gg 292

<210> 803
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 803
gtttgtctgca tatggttggc acactgtgca ctggacaatg gaatgtggct gaccaggcat 60
tgaggagat ggaaatccaa cccctgaat gctcacaacc gtgcaatcta ccattcccct 120
catgaacgga tgcccttgtc ctacttactg catggactag ctgcagttct gtgaacataa 180
ataagaattt agcactcatg gacattgcct caatggatca acacaacagc ctaataagct 240
gagtcttatt tcccagatga agaaattgaa gattataggt gttaagtgcac ttgctacaat 300
ttggaagcta gtgagtccag gtgctacagg gtaaggaaag cgctgcctat gcgggatgcc 360
cnacctnnng gnaaaannctt tgggnaaaaa aatganccta taaagtccta ggaccaaggc 420
ctcctttttg ctgtcttctc gtctctcttg gaccttcagg cgccccgctt gggtttgttc 480
caagtg 486

<210> 804
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 804
agaactgaga tgtcaacttt ttgtaagagt cggatgccgt tctttcgctc catcctaattg 60
ggcacttggc catgtgcca gcaacattca ctccagaaag ggaatctgct tcctgtgcaa 120
tagaactctg tctggaacaa ccaggagat gttttcatcc acatggacag anatttcgg 180
cacctactgg ttttcccacc cacactgagt gttgccctct aaatgagtca ctctggtttc 240
cacagagagg tcagggtgtc ctcgaggagc ggacttcctg aattcactcc accacgtttt 300
atctgtgtaa ccttgtgcag ggtacctaaa atctctgtta cctcatctgc aaaatgggga 360
tacctaatac ttngagaggt ngtggtgaaa ttaaacgcaa gggcacttgg ccaggagcgg 420
ggcacacgat aaatccattg 440

<210> 805
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

```

```

<400> 805
gagtgtgata tggcttggat ctgtgtcccc accgaatctc atgtcggagg tggggcctgg 60
tggagggtgac tggaccagtg tgcttttctg ttcttcagat tctacaaaga gaaacactct 120
gtttcccgaga cttgcttaca gcaagggact tagatcccg cagccagagg cactcccggtg 180
agatggggcag ctgtgcagga ggcattctgtc ctgccgtgca atgctcaggc acaaccagtt 240
ttggagccaa cagtcttgac attgactttc tatccctcag acgccagcca aggcagtgcg 300
ttcctggaat caacgctctc aatagcagct tcccaatcct tggccaaagt gatgtcactc 360
aaagccagcg ggtatgacaa aagggnttnt cnaccctnan atnggggnaa agttcacagt 420
accctggggg ggctgattnt gcaggggtgtt ttttatgcat ttctgaaggc caattaatag 480
cccattttctc cagctcttcc aattatTTTT tta 513

```

<210> 806

<211> 161

<212> DNA

<213> Homo sapiens

```

<400> 806
ctgagagcca agaacatcag aggtgggatg atgatgcttg tggctatgag acaggatttc 60
aaggatcctg atgaaacgtc tgctggcctg tatctgtctg aatgctggaa agggctttgt 120
gttactcgaa ctgaaaggaa aacataaaat gatgataatg c 161

```

<210> 807

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(488)

<223> n = A,T,C or G

```

<400> 807
gaactgaaat ggaggaaaga tctctcttca caagacttaa cattacatgg ctgggtgtgg 60
tggctgaaac ctgtaatccc tgcacactgg gaagccaagg ggaggactgc tttagcccgag 120
gagtttgaga ccagcctgga caacacgttt aggagattat ttgaacaaga accgaaattg 180
ctccttttta atcagaaagc ttgacaatat gatggcaata taaacttacc agcaaccata 240
cagacaccaa gaagagccca tcgcaacccc tgggggtgcgc ctggaccatc ctctctctcc 300
gaagccccgt ccagtattct tcagctccca agttcaagt actgncgagc ctcacagact 360
ttnaaaaaaa cttggttcct ntgtgggggc cncnctnctt tgacctcaca ttntcaagcc 420
gagtgttcat tgttgcggtt cttgtaatgt ttctgcagtt ctaataaaaa caggagccaa 480
aaaaaaaaa 488

```

<210> 808

<211> 362

<212> DNA

<213> Homo sapiens

```

<400> 808
atctcttgcc caggagtgtt cctgcctggc aaacaagatg tgtacctcgg ggtctacctc 60
atgaatcagt acctggagac caacagcttt ccctctgcgt tccccattat gattcaggag 120
agcatgagat ttgaaaagggt atttgaaaga gcagtagatc ctggagctgt agtagacctt 180
ttggaaaacg gagaccctag caaggcagag acagaagcgg ctggacatcg agaggagtac 240
attggcactg gcagaacgac acggagtttg gccggggcag ttggaagaga gccggggctg 300
ccgagtggcc caactccagg ggaaaacat ctcctctgctg gctcccccac ctgctgatag 360
ct 362

```

<210> 809

<211> 336

<212> DNA

<213> Homo sapiens

```

<400> 809
cccctggact gatgacgttt gctgtatcaa cctgtaagga gaagctctct ccggatgggt 60

```


atgggaatga	aagaatccga	cttctactct	cacacagcca	ccgtgaaagt	cctggagtaa	120
aatgtgctgt	gtacagaaga	gagagaagga	agcaggctgg	catgttcact	gggctggtgt	180
tacgacagag	aacctgacag	tactggcca	gttatcactt	cagattacaa	atcacacaga	240
gcatctgcct	gttttcaatc	acaagagaac	aaaaccaaaa	tctataaaga	tattctgaaa	300
atatgacaga	atttgacaaa	taaaagcata	aacgtc			336

<210> 810
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(527)
 <223> n = A,T,C or G

<400> 810						
agaactgaga	ctctttccat	gatgagacta	ttcacatcat	ggcagctgag	gactgagatc	60
tctttctatt	gtggatgaag	gaagatactg	tgtgtcatca	gaccaacttc	aggcttccat	120
tgagtcatgt	tgcctttaca	ccaccaccag	ggaggaaaaat	tacttacttt	ctaccaagga	180
agcagttaaa	tcgcaaagct	caataccatg	tgatgtgaag	actcatttta	gatcagccca	240
agaaaaacac	cattaagcag	agaccgagcc	tgtggttgaa	agatatggag	tcacatggca	300
gcggccacac	ctcctcgaaa	gctaaatcca	tgactgggcc	ttggtccccg	caggctcctg	360
cctggcctgc	cccttnctgt	gctgggaaaa	tgggaaaagg	acnttggggc	aaaatnggag	420
ganccctgcc	tttgacaagg	cacatacaan	gggaaagtct	gtcaaaaagc	attngtttta	480
ctttcttttt	taaaagaaaa	aaaaatactg	ttatttactg	ctttacc		527

<210> 811
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 811						
gctcctgcac	tagtnnaact	gaggaatccc	agtgattcaa	gagtcattcc	agagaaatac	60
acgactgaag	atgactgggt	acccttctag	aaagagggga	acaaggcctc	cctagttcct	120
tttgcttccc	agtgaatata	ccgaggcaga	agagcctttc	ctagaaaatg	tcctggggcca	180
ttatcttcaa	ggggcttcag	aacttctaag	aagtgtaggt	atccttttgc	aagggaataa	240
gtatatgcct	taacgtaggc	gattttttgt	gcacctttct	caatgaagaa	aagggtgtct	300
tttctccaaa	ctaatttgct	aattaaccta	tcagtcacta	tttacacatg	aaacagaatt	360
cactccagat	tgttcaaagt	aaaaacattt	ataaaagg			398

<210> 812
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 812						
ggttctggtt	aaagccaaaa	ttccagaaaa	gacaagtcag	cactgccccat	ggcagggata	60
cagtgtgaaa	gcaactcaaa	taacacctgt	tttttgaaga	tgccacaggc	agagtgttgg	120
agccagaggg	ccaagacact	gaggaagaag	agccaagcta	ctgctataaa	gaaggagtgt	180
ccccttataa	atgaagaaca	agaagaagg	agaatacatt	attatctact	tataaatcac	240
acagagacac	aaaaatagtg	aggtagttag	tacgtaaaac	aggccatata	ctagctagaa	300
aggcaaagcc	tactaaagaa	aaatatattga	ataaaggaaa	tgggatac		348

<210> 813
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(407)
 <223> n = A,T,C or G

<400> 813
 gtttnagtga ttgggcagag gtgtcatgtg acccaagacc atccaataag cettgacttt 60
 gggattttttg ttggaccgcc tgggaaaaag aagctctcct tccattggat ttgaaatgag 120
 caaggcgtca gtctggatct gcaggtgcct gccctgcggc cacatggaga gtggctgccg 180
 aggactgaag ctccacaagga gggaggcaga ggacacggat gtggtgagat acggctcctaa 240
 cagcatcatt tgagccctgg attcagccct gcctgccttg aaaccaatac ataggcccca 300
 aatatattat ttggaatata tatatttggg atatatatta ttagaaacca atatatatta 360
 aaccnatttt aaaaagctta taaatnggcn gtgtttttgt ttaatcc 407

<210> 814
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 814
 ggtaatcact ttgatcagta tgaggaagga cacttggaag ttgaacaagc gtcacttgac 60
 aagcctatag aatcgggaga acagatccca ttccaatcnt tgtcaagtat gatgtcatgg 120
 gcatgggtcg catggaaatg gagcttgatt atgctgaaga tgctaccgaa cggcgccgtg 180
 tcctagaagt agaaaaagaa gacacagaag agctgagaca aaagtacaag gattatgttg 240
 acaaagagaa ggcaattgcc aaagccttgg aagacctcag agccaacttt tattgtgaac 300
 tgtgtgataa gcaatatcag aaacatcagg aatttgataa ccatatcaac tcctatgatc 360
 atgcccacna gccgagattt naagattttt aaccagaga gagtttgctc aaaatgtcct 420
 ttcaanatcc cgcagggatg ag 442

<210> 815
 <211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

<400> 815
 cacttggggc acatgaagac tttgtacgac cttttctctg aatggaaaat gaattctcct 60
 gcactcagca tatcaaatcc tgagagactt tcctggaccg actttggcca cctcaatttc 120
 tgaaatgtta tactgattac ttctttaaga tattgttttg cccaagggtca tgtaacatat 180
 gagttcattc tgtgcatgaa gctccccaga gaacaacggg acacaatgtc agtttggtta 240
 tggcatctga aaactcataa gagcagactt tcattaaaag cagtattacc ccagccctt 300
 gccttctgag aattcacata tgaataatta ggagtctgta agtaggggac tacctgnggg 360
 acaaatttct cccnnggttt ttngaaannn aaaaagggat ttttt 405

<210> 816
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 816
 gtttgggttt cggatttaag ctctactagt ccagggatca agtagctgct atggctctgt 60
 ttcatgccct ctgagctctc aggagcgtcc agcagcctca gaactggagc accatgatga 120
 caggaggaaa agacagctgg gctgctaagc agcagcagag gggacctcac gtgttataac 180
 tacacatttg ggtgttgctt tgtttaatgt ctgtctctgc catgaaatgc aagctgtaag 240

```
ggcagagcct gtgtcttttg ctcattgttc tttcccagca cctggaacac tgcattgcaca 300
taacaggccc ttaataaaaa tttggtgaat 330
```

<210> 817

<211> 363

<212> DNA

<213> Homo sapiens

<400> 817

```
aactgagctg gactggcatt ctatgctcat cctgggtcct tctttgtctg gttggctgca 60
tttggaagga ccttgctgaa cttgacctct gggtatgctc tgaaactgtt ctcttaaaaa 120
gctaacatgg agtggctctg ccagccctgg caatgtctca ccacctgtgc atcagtgcc 180
gccaagttgg aagataggat ggatgcctgc acacttaaat ttttaattgt tgacatctct 240
aagtctggaa gtaattttgt caataatgta ttagagttac atagctagat tattctacag 300
taagtttatg ggggtatactc agttttatttc attcaataaa ttgtataata aacacagatc 360
ccg 363
```

<210> 818

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(433)

<223> n = A,T,C or G

<400> 818

```
agaactgagg ttctaattggc caaactggca aagttcctgc tgttgccctc acctccaagg 60
ctggtgctcc tggactcagg gtgtgttcca ggtgcctgaa gcatggccca caccagaaaa 120
aggtgctctg taagggcaga aaccaggctc tcacaccatc ggtgcatgat aaaaattaac 180
tgaccaata acacggtggg accctcttca aggcaacttc ggagtcagac atgcctacgt 240
tctccttctc gctctgccac atgtgtgacc ctggacaggg tcctccatcc tcttgccctc 300
agtgtctttg ccagcaagct gggaataaga atcctgtgtc atgggggttg cataaggggg 360
aaatgagatg acctaaaggg ncatttttta acntaannaa atgcctttca aagcaaaata 420
aaaaaggggc tta 433
```

<210> 819

<211> 88

<212> DNA

<213> Homo sapiens

<400> 819

```
gcataatttc agagaacctg taagaaacct cttcaagcta ttgcaagaaa cactcacttc 60
taaaaataaa gagaaatctg ttttcctt 88
```

<210> 820

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(423)

<223> n = A,T,C or G

<400> 820

```
gcctatccac agctcttcaa ataaagcgct gngangnnag cnaaagtgca ggggctcctt 60
gagaactttc cagggctaac cagctgctga ggagtggcct ccaggaaaga gagaagcact 120
ctgattcagg cagtgattta cacctaaaat accaactcca tcatatcttc agaacaattc 180
ttctagacct tgcattctaaa tatggagtcg ttaactaaca acgaacaaaa cctctggatg 240
gccgaaggac ctaggtata cagaaagctg tgaattacca atgagaacgc agtgagtc 300
aagaataatg gaattaaata agttcagagg ctttaagtggt ttcttaaaac acttatctat 360
```

gaaccacctaa tcttagtcat ttctggcaca gttggtattc ataagcattt gatcatcatt 420
ctg 423

<210> 821
<211> 234
<212> DNA
<213> Homo sapiens

<400> 821
ctagttctct tggagatgac tgatggcatg aattctactt gcatggagtc cccgagaaac 60
cactcctctt cttcaaaaaa gtacactaaa tctcaggaca aactgggatg accagttatc 120
actgctgcc aacctgtttt gtgaattcca ttttaagatgt ccaactgaga acaaattatg 180
tctcaaataa gattgtattc acagaatgat ggaactaaag ttcttggtaa attt 234

<210> 822
<211> 294
<212> DNA
<213> Homo sapiens

<400> 822
gattgaaccc aaagctgcc tttactgcaag aattaatgct tattgccaag aaattcaaat 60
aaaggaaact cattggaaat gttcagagag gaaacgatga cagtgataat tccaaatatg 120
atgctttctc cataaactat ccatagagat ggcacagctc tcgatcaacc tttgcctggg 180
tggtttgaaa tgttttaagt ctttgacata aaaattgtga aaggactcgt cgtttccaaa 240
gtgagatgaa gattttgtta ctgctgttta ttaaaatttt ttcgttgtgt ttcc 294

<210> 823
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 823
cacgtggaaa gcaagacccc tgagggcgca ggttttagtc aactttcatt cagtgccgct 60
tctacagagt tgaacacttt ccggtacatt aaatgctctc gttgggttcag aaagaacact 120
ttgaaaagcc tgtgttttga cgtctactca gaagtattgg aatcaatgaa gagtgggaca 180
ctgaatctgg atcctctcta aggaatcgtt ttccagaata catcaaatgt tacctgcttt 240
gtaaacctct ccaattctct caattccctc tgatcatcatt taagcactga ccatcagacc 300
ttcctgtacc tagacagcag ctttctattg gattctctgc ctcaggcacc gctctcctcc 360
attcaaacct tcacaatcat tatctctaac gtgaagacca tgccgntca gggaacccca 420
gaagggatcn tngaaccttt ccaaaaaaaa c 451

<210> 824
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 824
aacattttaag gaagtttcta ttttaaacca gccttggagg gttttcatga caaggaattg 60
cacattggat gatcatttct accttttgca ataactactt cttatttgca agttgtgttt 120
aagtgaacaa agacaatgat accctgttga gctggtaggt aggaagaacc agcgaagcgc 180
acagttaccg gagagggtat ttgcccattg ttgagaaaca tatgtgtgta ttagaaaaaa 240
tcacatcgac tcccaggaat cctgcaacat actgcaactg tgatgctgac cagaatgagt 300
ggagatttcc tcatgatttc tctgtgtgag atgcagagtt atcattccac ttgaatctgt 360

gaaaagtgtc tgattaaaaa tcatacngat aattaccatc cggg

404

<210> 825

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(387)

<223> n = A,T,C or G

<400> 825

actgaccgga	atgataacga	cttgacgagc	ggtgttgccg	tccccaacca	cccctgtttt	60
ctgacaacaa	gggagcgcg	gagaccggag	cgctgaaccc	aaatccctca	gcagttgcac	120
ttcattaagt	caaaatgtga	caagaagctt	agagagcaac	ttgcagatct	gatcacacag	180
aacaatcagg	gaggaaactt	tccaggagtt	ggtcgggggt	ggaggaggga	ggggagggcc	240
anagatgtgt	acgtacaggg	accaggacat	gcacgggggt	ctgtacccca	cctgcccagg	300
gcaggtgtcc	tggctgatgg	gagcagggaa	gctgtccctg	ggtgggatct	gggaccctgg	360
gatactggga	cccagtgagg	ggcctaa				387

<210> 826

<211> 335

<212> DNA

<213> Homo sapiens

<400> 826

gtaatacagc	aattcactgt	acgattttaca	atggtgcatt	agcaaccg	cagcagtgtg	60
atgtcagagc	ctcaaaaaga	cgtatgcaag	agaagcaact	gggcctggtt	ctgctgccct	120
ggccccag	caaggctgct	taaatgtcac	caactccagt	cctgctctgt	tccacagcta	180
gtcctggctg	tgattttctc	ccaaatagga	cacagatatt	aactaagggt	ctgggaagag	240
gaagcaaaag	aaagagaaaa	agcaaactac	tgaatgcact	aaacattttt	ttaaagtttt	300
attgaaagga	aaatagaggt	taacttgaag	gaaac			335

<210> 827

<211> 241

<212> DNA

<213> Homo sapiens

<400> 827

tgatgcaaga	tggtcctttc	tgagcagagc	tcccctcgct	cagtgtcctc	ttgtttcacg	60
tagaagatct	tcttgagggg	actgtgtggc	cagtgcagcc	caggcctccc	caccctgcac	120
cgttcaacag	aagagcagct	gacgcagggg	gccctcaaca	tgctcaccca	aaagtcagcg	180
agattctgca	ccggcccact	agccttccaa	ttgtaaacta	aaaataaaaat	cttggccagg	240
c						241

<210> 828

<211> 419

<212> DNA

<213> Homo sapiens

<400> 828

gcagagaaac	agatgaaatg	actcactgag	gaggggaagca	ctgggatgcc	tcctaacctg	60
ggacggcttc	ctcttctgca	gcgtctgtgt	ttgtcagtg	ctcctctgga	tcaggcaggc	120
ctcagacctc	actaagctat	tccactcaac	tctttcttcc	cgtgcttcct	gactccaagg	180
tatcaggcaa	acttgttgat	ccatttagac	ttcactctca	ccctgcttgt	ctcttttctt	240
cgcgcacacc	agagctaccc	agaaccgcgg	tgatgccttt	ccctggcagg	gtcaggccta	300
ctgtggcagt	gtcatgaacc	tttcctaagc	aggattttgtg	aagagggcaa	aagctggcat	360
cagcaagaca	tgtttttggtt	tagacgtctc	agtagacatt	gcagcaagtt	aactattgg	419

<210> 829

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(440)

<223> n = A,T,C or G

<400> 829

```
gtccttacct gaagcccaag gtgatttttg gccgctggcg accttgtgac cgttggcagt 60
gggtcagatg tggcactcag aattagggga aggattggtg atgccagaac atctgggtgaa 120
gccggcacct caaggcactc ctcaagcctg gaaagcctca ccaataggat tgatccagaa 180
tatgttccag caaaaactac agcagagtaa ctttgacaag aaaaatgttc acttgctacc 240
taaggagagt ctctgtctcc tgacctctga atttcgaaat cctcagctct ggctgccacg 300
cagtgggaac cgaatgagat ggctgggcag ggttctgcaa cacagcagaa accccaggct 360
tcccaagacc caggatcaga actgnataat gncacttctg cctcactttg gtggacnaaa 420
gatttcacaa agaatatattt 440
```

<210> 830

<211> 464

<212> DNA

<213> Homo sapiens

<400> 830

```
acagagtctg gctctgttgc ccaggctgaa agtgcaatgg gtgcaatcag aatttactgc 60
agcctcgacc tcctgggctc aagtgatect cctgactcac tcagcttcct aagtagctgg 120
gactactgga aaattaacct cattcagact gaggagaaca gaaatacttt gagaaatctc 180
acaaaatagc catcataatg tgaagaagcc gaagcagcct gtgaagaggc gctagtggaa 240
aggaactcag gtgccccctgc cctcagtccc agctgaactc tcagctgaca gccatcacca 300
acttgccagc cacaggagtg agccaacttg agagtggatc tttcagtccc agtggagcca 360
tctcagctga cacaccatgg taaaaagatg aaccatcctt gctgatcctt gccagtgtctg 420
cagatacata agcaaaaataa atggttttgt tggtttaagc cact 464
```

<210> 831

<211> 480

<212> DNA

<213> Homo sapiens

<400> 831

```
atcctcccat acagtggcag cctggggagg cattgccaac aattacaaca gcccttctca 60
tttgaattga atggaaggcc aaagagcatg aggtctgaag tttaggatgt gaaggagaaa 120
agaacataac ctcaaaaacc caattttaat gatatttaaa aggcctattc cctccagaaa 180
tgtcaacatt actcaggagt atagcaaaaa acagcctgga gttttcatga tgtgaacgtg 240
agaccaaagt cacactgagg agagattaaa cttggaacat gattgccagt aaagaagata 300
actcctgcct agaaaaagcc cagctggtga cttccgttac agaattcaca accacactgg 360
gttcacaagc ccttcttccc acatggaagc ccccttttct taaatgtccc agattctctc 420
ttcttttagat tggatgccag tgctcttctc tcataaaaaag tgctcagctt ttgaaaaaaa 480
```

<210> 832

<211> 319

<212> DNA

<213> Homo sapiens

<400> 832

```
tggagcctac tgacagcaac gtgacaaaaa cactctcttg tttgctttct cctggactat 60
cctgaatggg gaagagaggg gtggaattac aagtaggttg cttcaatttt gcataaccct 120
ggatacccc ctgtgagggt gtgaggcatg tgaaagccat ctgtgttgga gcagaaaaca 180
agttgagagc tactgaatca gagcattcac atcaaagaat gaatgcaaac tggctctcac 240
caccagaagc catgttcaca gggagaagga gaatggacag agactctcaa ataaaccaca 300
aaacaatggt gaaaaaaac 319
```

<210> 833

<211> 249

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 833
gccctcctgc gcaagtaact caccatcttc ctgtgcccag ctatcaccac gacacctgca 60
ggtgagctca ctgcaagctt ggcgtcgtgg tgctgcgcac agccctcttc agcacacagt 120
gtcagcaccg tcctataaan tctccagcca gcctttgttt ctttgcagtc ggcattctctc 180
atgcaggctg cctgtctctc ttgcaacctt tttttctact ttctccaata aatcagcctt 240
tttctgcct 249

<210> 834
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 834
gtgggggnnnn taannngnctg nttgaccgcc cncgtggagc tctggtgatt ttctgaggaa 60
aagnanctt gaccgactaa accgagagt cctcagagag caaatacca tcggncacgt 120
acttctcnct ttccagacgg gccttggnat gaaccctaac tggtcacaga ctctccaca 180
ggcccatttt ctatgcnatt ctgtggnntc ctgantcttc ataccctaaa actangaaga 240
acctccagag gggacacacc gccatnatga gagcctggct ggantcggac ttcnntcttc 300
tctgcaagat gaagcaccat ntcgaaatga acngcagagt ccgaccccca ctgctgggtcc 360
agcgnnggata tgaggtgtgg actggaatgc tcttttgcac tatnactgg ggccatgatg 420
tgccgaaa 428

<210> 835
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 835
taccactaaa agtggaaaaa cgattatttg aaccacaggca ctctggcaca tgctttatga 60
gattcatctt tttgcaccct cagttaagga aagacactac cattcaaata gacaagctac 120
ataagacaga ctaccgtata cactnggaat cagcagcttc caatcaagaa agngggattt 180
tgctgtctct tttcctgtta aagaaacctg ggtttaagac aagctcttgc taccttataa 240
aaccatttgg ctctaaatca nattaaggaa gaaaagggaa gaagcctaaa ggaaaatggg 300
gtcatggcaa aaaatatttc cgggacaaat ggggtccacca tgaatggcct ggaaagaact 360
ggcttcttca ttttttaact tgggggataa aaagaagggg acatttcttc ccattcaaag 420
gaagcttgct tcttggaatt tgggtctatg gttttcttgg atgccatttt tttacttaaa 480
ccgccantta ccattagggg gttaaat 507

<210> 836
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```

<222> (1)...(447)
<223> n = A,T,C or G

<400> 836
gtacacctgg agtcctaagc ccggggagaag aggggcacagc cccacttcct ctggtaccag 60
tagggccctc ttcagagaca gacgtgccta ggaaggtgca ggtcctcctc tgctgaagat 120
cctcacattc caggggtgca agaggggccc ctgcaaagtc agtctgctca gacctaagtc 180
ttggtgttat ctacttaaca agtgaagggg ctgagaggaa ggtcagagtg actaacaaaa 240
ccagtcctga ggccttgaca cctgaggaca ggattgctgt caataaaaaat gtagctgacc 300
ttaagagtca cagcctgaaa gaatctcaaa atggnctaaa gtatatggga agctttcttt 360
cttattctgg taccttaaaa gagcatggca aagagcactg tggggcagaa ggaaggatct 420
gaaaattcca ttctgatgag acatcta 447

<210> 837
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 837
gttccgtgtg gctgctctga gaattctccc accatagaga gatgggtgat ccctttgttc 60
tgcatagaag caccaatcca ggcacatgg aaggactctg tgaggagggc ctcccctctg 120
agaagatgcc tagccagcag ggacctcatg cttgagttca gatgggttgc cagacagatg 180
aaaactccag acatgacagc tctcctctctg aggctttgcc tgggttcttc cagccacacc 240
agaacagcac cccacctgca acacacaccc tcacccaagc cccaccagaa tactgcacat 300
cggctatgtt tgtcagaata caaaaacaga gacagttttc agaaagatat tctttattgt 360
cataagttgc cacgggtggg atggtcaagc gagctggcag aggctangan gaaatttttg 420
tgtccctggc tggagaagtg atctgggtgt cac 453

<210> 838
<211> 406
<212> DNA
<213> Homo sapiens

<400> 838
agggtgagttt ctcagagcat ctaacaggtc acccaaaaaa ggaggatgga aagagacatc 60
aagtcagaag aatggcactc acattctctc tctgctggag attaaccaca tgcccttcta 120
tgatgatata actgcagatg agcagagacc tttaaaatat gagctccagt cccaccttc 180
ctggccttgt tgtggtatag gcactacggc cctgctcccc tttcctgagt caatcctaga 240
gatctggcag atccttcagg ggagatctag aataattcac cttctttgac atgctattca 300
ctatgcctag gtgaactctt ttccagcatg ctoccttact tcagctacaa tcttacttgc 360
ttctagctat gcttgcccag tcaatataaa cacactttga taccat 406

<210> 839
<211> 116
<212> DNA
<213> Homo sapiens

<400> 839
aaccaggaac cataatctca cactgggatt atggactgct gtcttctata tcactgctga 60
gccatggacg gagttggaca cagggcaaat aaaatgccac aaagttttct accatt 116

<210> 840
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(392)
<223> n = A,T,C or G

<400> 840
atccagagga agaggagatc tgactgtcat ctgcacatgg aacaacagaa actgattttt 60
taagatatgg tttcatctga tgcactgtat cactgcctaa gacagcaatc cttgatgtg 120
ccagagattc tgatgcccct gtaggtgatt gctgggaact tgtttttctg tttcctcttt 180
tgggatcata attggaaaagg tcctgatcac aaataatatt tgatggatgg gcagcatttt 240
cggcaaggac acttgacgtt tctgaaatat ttaatttgcc gattactggg gaagaaacat 300
agaattcatg gtctttgtct gtagcttctc taagatcatt ctctttctgn gaatattctg 360
gttgaccaat aaaagcaaca ggttgggatg gt 392

<210> 841
<211> 444
<212> DNA
<213> Homo sapiens

<400> 841
atacagagtt gaagagaaga gagcaccagg gatccaccag gcaactgcgt tacagaaaga 60
aagtcacgca caggaaaaagc agattttctga ttctgccacc aggaagggtc aaagtctgga 120
cagcacttgg tcaggagcct ggcttccctt tcttgaaaaa catcacatgt aaacatctaa 180
ctgagagctt ggtacacagc aggtctctgag tgttggcccc atcacgatga caaccaaggg 240
ctaattatga aataaggagg acacaagaaa agacactatc aaggatacag ttttttttaa 300
aaggtggggg aaagtctatc ttttttttaa aaagcatcca tagacttaaa atttttttgt 360
ttggggtctg taaaaaaata gcaatatggg tgaaacgcta tgataaaaaa ttgcccaaat 420
tcttgttatg ttaaaatggt actg 444

<210> 842
<211> 300
<212> DNA
<213> Homo sapiens

<400> 842
gttcaggaaa taactcacca gaaaatgata tctgagcaaa gacctaaaga agaagcagcg 60
agctatgggg atatgtgcag gaagagtatt ccagacagag ggagcctcgg tgaaagaccc 120
tgtggtggga gcatcctggc ttgctcatgg ggcatcaagg aggccagtcc acctgcagca 180
gagtcaggac agggccttgg ctttgtacaa gcttaattaa gacaaaagaaa cagtaaaaaca 240
cccagaataa aacactttat aatctggaga tcattaataa aactaaatac ggatttaaat 300

<210> 843
<211> 214
<212> DNA
<213> Homo sapiens

<400> 843
ggatcagttc tttgctcttt gaaacgaaga tgatccgtct cacactgaaa gtttcctatc 60
gtgaggttca gtgtcatcta gagtcaacgg atgaagtata agtgttcact gtggaatttc 120
tacaacacaa aaagaagagg ctggataaag aagataaact gaatattgaa actgttcctt 180
ttccattaaa aaatagcaaa aaagttttcc ctgt 214

<210> 844
<211> 422
<212> DNA
<213> Homo sapiens

<400> 844
gcaagcagaa ccctggaatg gcttcctcag accctgtcct gctcagactt cacttcctgt 60
cactctcccg ttgttactg tgctccagac atgccactga cttgctggtc cagtagcctc 120
cagtcttcat agagaaaact ggagaggctg tcctaacttc acctcagcat tggccgtggc 180
agcgagggcc tgccctgtgt cttgtgcgtg ctcaccaccc tttcctctgt acctctgcat 240
ggcgcataaa cactaggcac agagacttga aaatcatcca tctttccaaa cctcaccgaa 300
ttcacaactg gccagcacta gagaggaccc tgacctcatg gctgcacagt cactgggggg 360

tgcagacagt aaatccggga tcaactggaca agtcacactg caacaagtgc tatgggaatg 420
ca 422

<210> 845
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 845
tcccaactgn ggcactggan gtanagcagc aatgaagaca gatgtagtcc tggcattcct 60
caagcttata gtctaataagg aacgtctaca ctgagaaaga aaaaaaagaa aagaaggaag 120
aaaagaagaa acccttctct gacacttcat agacaaaaaa caagaggaga tgattattta 180
agttcatcag tgggagtggc acctgccctg tcctactctg gttactaggg aagtaacaga 240
ctccttgga aaaaacaacgt tgagatggag aggggaagggg tgaaactggg aaatgctaaa 300
tctgaattca gagtatctgg cctcatcatt cagatatttt aagggaataa gggaagttgn 360
cgggnggaaa tctgaaggng aattaaataa ttggaagtta tgatgaattg ccattccatc 420
tgngtattgc ctttaatctc tgggtctggct cttctacctg cca 463

<210> 846
<211> 230
<212> DNA
<213> Homo sapiens

<400> 846
gtgatgtaat gaggactcat atatatgcac atggagtgaa taaatgaatt aaggaatgga 60
tgggtgaaaa caacgaactg tgaatggtcc agccatcacc aataagacac gtaacaactt 120
ttcccacctc gcttcacgct gccaggcaac gcaggctggc attggtgtag tgagttgctt 180
ctgttcctca caagccaggga tttaataaca gaataaagga atgaactcgc 230

<210> 847
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 847
gcttgccctt tggaagcagc caccaggctg tgaggaagtc caggccacat ggaaagacca 60
catgtagata ttctgaccaa caggcctggt taacgtctca gatgtcatgt gagtgagtga 120
gcaaccatat ccctctagca cccagccttc gagtcttcca gctgagatcc caggcattgt 180
ggagcacaga agcgtcattc cccctttgct ctgtccaagt tcctgatcca cataatccat 240
gagcatacta aacgattgtt gtataccact gagtttgggg gtaatttgct acacagtaat 300
aaacaattgg aacaaaaaaa aaaaggccag ngngggcaat tcaanttga nttnacnng 360
gtngacttng ttnaaagggg gggacttccc a 391

<210> 848
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

```

<400> 848
agagaagagg gtgttttccaa gggaaagctt cagaagccca agcccagcta acttttctggg 60
aagccctgat gatacccccga ggaacgcagc aactgcaa at caaacctcat caaaatggca 120
ccagctgacc ctctctctcca cccaggggtt ctcaacaccc ctggcaggat gcgaggggat 180
gaggagtcct cgggcttgga cccccgaact gtggtcatca tttcatcaga tgccagctgt 240
gtagcaacaa gagttgctat ggaaaacaac cactacagca acagactgaa atcactccaa 300
aaaaggagcc gncactcatt ccaccaacat accactgggg acgcgggaaa gcaaaaccct 360
tgggttaaga acaacattcc cactcccctc cccagtttcc atcctagtaa aaattctcgt 420
gcttggttgc atttttaagt tc 442

```

```

<210> 849
<211> 106
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(106)
<223> n = A,T,C or G

```

```

<400> 849
gtgangacac ancaagaggc accaccttgg aagcagacag ctttcanaga ggagnngaca 60
ccttgatctt ggacgtccct gcctncagaa ctgtgagaaa taaatt 106

```

```

<210> 850
<211> 438
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

```

```

<400> 850
ctaaacaagc actggcctca agagaagcaa tattaaaaca atttgcagct caccaccagc 60
cgctgactaa cggcgcccc ctgttccaac agcccanct acngctntga ttggacaaga 120
ggctgatttc agttancttc ctctgatga gaaaaccaca gccatggact gattctggcc 180
gnnttacana ggntgngnac ttgntgcct ttgagtccta aaaaggagg gtagggccta 240
attgtaatac atgtaaatgt taattctnca ccccaaagca cacatggtta tatnacacc 300
agccgtgtta natgnacaca tgcctcaaga ccaccttcat gagtatttga agctcttcgn 360
ataacctgtt gactatngta tgttttggcc aacctgttca actaaaaatt tctgtntaat 420
tncctctctc cctcaaaa 438

```

```

<210> 851
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 851
gaaatgaagg atttcttatt ctgaggaagg gagagacgcc gaggaagaca ggacttgagg 60
ttttactacc ttcgttattc gaactcccct ctaacttggt cctgtactag aaaccctc 120
actatggaga aggaaggaga ggggtgaac tgatggacaa acgttgtaaa taataggttt 180
tatgtaatcc acatataaat aaattaatcg cctgactcgc tccg 224

```

```

<210> 852
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(458)

```

<223> n = A,T,C or G

<400> 852

```
ncacanntga gatcttggct gnttatgaan canggaacaa gcnccgnttt tnagaagcaa 60
gctcaagaga tgatgaatga aggaagggtg agctccgaag accatgaaga actgctacag 120
aagaaaacaa gctttcaata aaataaaaaga gacatcaatc acacatttta cccatttatg 180
aaacatgctc aggacaaggt actcagacgt gaagaagcat tcccaggaac catcttggag 240
aactggactt ggtaacatga gagctgggaa gtcccaattc ttggtcatga agagtctacc 300
acgaagagaa ttggtttgga aaccagaagg ctaactttta catgaggcac cagggcttat 360
gccccccaga ttttcagaga aggacaataa tgggggtattt ctggatgttg aaatcctagg 420
attgatctga cagcacaac caaatgccag cagtttcc 458
```

<210> 853

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(438)

<223> n = A,T,C or G

<400> 853

```
atgtttgcat cctgatgaac tgacaccact tggacccatg actcatacca aggaaataaa 60
tcaactggtc ctgtaactcc caccagaag ctgactcggc atgcgaagac agttccaaca 120
ctcctgtgat ttcatctcca accaatcagt agcaccatt cccagcccc ctgcctgtca 180
aattatcctt taaaaaccct accctctgag ttctcagaga ggtggatttg agaaatatct 240
cccatctttt tttcttttac aactggcaaa tatagatgag tctgtagcca taccagaccc 300
atgtggccca actttcacgt aacaaaagta agtacagnn tttttaagtt gccatnggac 360
cctcaaggtc atgtaatctg agcatgccca gatggacca gtgttcaacc acagagggaa 420
cctgattgct ctgactca 438
```

<210> 854

<211> 160

<212> DNA

<213> Homo sapiens

<400> 854

```
ttttattcac agatgaccag accaccagag agacctatcg aagtctacat ttcaaagaac 60
tttgctcac cttggttgat aataggagga actacagcaa gagggtaaaa atttgttaga 120
ataatcttga taatggataa atctacatct gctatatccc 160
```

<210> 855

<211> 138

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(138)

<223> n = A,T,C or G

<400> 855

```
ctacctgcat taagtcanca actgaggaac caggnaacca taattctcan actagggnat 60
tatggacttg ctgtctntna tancactgct aganccatgg gcggagntgg atacagggna 120
taataaaatg ccacaaag 138
```

<210> 856

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(436)
 <223> n = A,T,C or G

<400> 856
 gtgggggtcctt tcagtgcctg ttttcccggc cacgtggagc tctcatcatt tcttgagtaa 60
 aagtgaactt cccgactcag ccgcaagtgc ctcgagagca gagacccatc gtccacgtcc 120
 ttctcacttt ccagacaggc actggcatca acgctaactg ttcacagact cctccacagg 180
 cccattttct atgcgattct gttgttttct gaatcctcaa acccaaagac taaatgaacc 240
 tccagagggg accaggccag agagagcctg gctggagctg gacttctctc ctctctgcag 300
 atgaagcagc ggccgaaatg aaatgcagag tgcaccccca nctgggtgtt ccagggggga 360
 tatcaggggc atctgttttct ttcttttgca ttctcagngg ataccatgtt gcacgaaatc 420
 tgtggctgct tttgtt 436

<210> 857
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 857
 tgtgtacang caaatctctg ttgtgcctgg gaagaaggaa atttgagtta aagaggaggc 60
 ccgctccata tgccttgtca caagtacact cactgaaaca ttaattcacg aagagattgc 120
 aacaagacca aaacgaaaga ggaacagggc ctgacaatgt tcagagaagg aaagccgaag 180
 aagtaaccat cccaagtta aaaatgacgt ggggatgaaa aaatagggtg cctgttgtat 240
 ttgtcattga aatgcacaat cttgtttact gtttatcttg agactctggg agctctcctg 300
 ctgcttagga aaaaagaggc aaaggnttan gaagaaatgc ttggccttan naaagagagg 360
 cnttagaaac cctagagaga atgggaggng taaatagtat gtgggcattt ggcaatcacc 420
 acaaagaaat gggagacaaa aa 442

<210> 858
 <211> 443
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 858
 ttctctccagc ataaaaacaa gacaaagttc ctgcagagct gctctaacc c aataataaaa 60
 ttggacaata agctgcatat ctgccggaaa cctgggactg gcaatggaga tgagaagaga 120
 atcagaaggg atagtcttga tgacatagaa gctgtggaat ccattcttca ggggtctaaac 180
 tcaagcctgg tcttagttc tccgtactgt attcttctctg acctccagac ctgagcgtcc 240
 tccccttcaa aagacaaagc catccaaaga gtctgagcac tccaagtga cagcttgaag 300
 agtgagagac gtggacagag ggaagggcag gtctgngcaa cctgngggcc ttaaacccca 360
 cctntggcct tntccagnga agccacactc angatttaag agaacttgtg atcaacttgg 420
 ggtatttgca ccccacgaaa aga 443

<210> 859
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 859
 gctgggagat taatgctgtc ctcaaagtga agagtcacca ctacttgtca agtcatgtca 60
 tctctgcagc cacgtgcatt ttgtaagctg ggaagaataa acagacattt ctgacatttt 120
 tgcttgagat ttaacctcag cgcgtcaaga gatagagagg ggaacagaaa taaataaaat 180

gtgggctaaat	aaggactgtt	tatcacaaac	acaaggcaga	gatctggtga	ccatatctga	240
ctttgaaatc	tgtgtctcca	ggaagaggaa	catcacacac	cagggcctga	tgtggggtgg	300
ggggaggggg	ga					312

<210> 860
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 860						
tgtctcagat	ttcaggagaa	ctgtgaccca	tgcagggggg	ttgagtccca	gtgaaagtgg	60
agaccctgtc	atcctgagaa	tcgtccccag	ggggaaacca	tctttttcta	aggcggaatt	120
tctcaacggg	ggaactactg	acatttttga	ccagtgttca	tggaagcctg	tggtgagaga	180
gccacagagc	aaagtatctg	ggaccactga	gtcaccatat	ggaggagagc	tacctggaac	240
attcaggggtg	gacttcgtat	aagtgagagg	tcaacagatg	tcctctctgt	tcctgggtcac	300
cgtgctaggt	gtggaggaca	cagagagggg	gaagaccttt	ntngcttttt	gggagctanc	360
aagccggtag	aaaacttnta	agcaggaaag	taaaatgatc	agggttttaa	aactcaat	418

<210> 861
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 861						
ggttgttagt	ggacatcatc	cgagcaaaac	ttgaaaagtg	cttatatgac	tgggcttacc	60
tgtacatgtt	cctgctttta	catgagaggc	acatgcctcc	aatataacca	ctggtccaag	120
aaagatagga	aatacatgga	gaaaacctgg	tttctatctg	aagtttgag	ccaccccaac	180
aaaaaaaaagc	ctgaagaagg	ggcactccaa	gccactcaaa	aacacatgag	caagaaataa	240
atgcctattg	ctgatgccac	tg				262

<210> 862
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 862						
gacaccacga	ggcgaaggaa	ggaagagcga	gcagatgtga	gctcctaagc	acggccgtct	60
ccaccacttg	ctgcactcct	cagccttccc	agacacagcc	tggtttttcc	tactgcacat	120
ggcactttca	tgaaaggccg	cctgttctca	catctatctc	ctgaaactcc	tttaggagtg	180
gagacaaacg	ggcacaagta	acttgagttg	taaagttcag	gaaaatttag	ataagtgtct	240
gatcataaca	catcagctgg	tttaatggac	catcttcgca	taaaacactt	catccttg	298

<210> 863
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 863						
gtctgagggtg	aaaccagata	atttgctgaa	catctaagaa	gcttttagga	aactacactt	60
cggaggagag	tgctgtgcat	tggaaaattg	gaaacatctc	aaatattaca	tgaggctttt	120
gcaggcggga	ttaccacgca	gcttcctgct	cctgcc			156

<210> 864
 <211> 12
 <212> DNA
 <213> Homo sapiens

<400> 864

attcttgcca ag

12

<210> 865

<211> 180

<212> DNA

<213> Homo sapiens

<400> 865

gtgcttcctg	tattaacatc	cttgcaagtg	gtacctgcct	ctctgaggat	ccagctacgc	60
aatgaatctg	agaaagctta	aaatcggaaa	tgctgctcta	gtaatgggtc	tcaaaccctg	120
gtggtcctga	catacaggtc	ttattaaaac	acagttgctg	ggctccacct	aaaaaaaaac	180

<210> 866

<211> 182

<212> DNA

<213> Homo sapiens

<400> 866

gatctgggtt	ggaactgctc	tgcaaagata	agtggagaaa	actgtttatt	tgtaagagaa	60
agaatgatga	tggcagaaaa	aggagagctg	aatgcagtca	ctaagaaaat	tttgcaccct	120
gagactccgt	accacgatcc	tgtaacatta	gcaattatga	aaattattaa	atgggtgata	180
tg						182

<210> 867

<211> 457

<212> DNA

<213> Homo sapiens

<400> 867

ggatttgctg	actctattat	gaatttctct	ttgagaaata	atacctgtga	gaatgctgct	60
ccttcaatta	ggttcaggat	tgaggaaaaa	atcatataaa	atagttggta	atctttcttc	120
tctagaaagt	ggcaacgata	tatagtactg	ttgaaccatg	cctgccagtg	tcaattcctg	180
aaatggcaaa	agaaaaggga	agaagagaag	ataatgctat	aatgatcagc	tcccaaacct	240
ctacttaaag	cataaatgga	gaaaagaaaag	ctcgggtgtg	tgctacggaa	cactattcgg	300
cattaagcag	agtaaatagc	ttagtcaaca	gtgtgggcca	ttgtcagtct	ttatttgtca	360
tctctcactg	agtgatcaca	actcagcctc	ttatgtgtcc	tggaagtgtc	caatctccaa	420
gttaactatt	tattaagagg	agatgcatct	taaaagg			457

<210> 868

<211> 259

<212> DNA

<213> Homo sapiens

<400> 868

gaactccggg	tgaggacgac	aagagctgag	ctcgggtgct	tgcttctctg	actctcggga	60
ggaggcacca	gcatgggcac	ccttcacagt	tccggccctc	cactcacaaa	cgtctggcac	120
atggaaacaa	gctggcaaaa	agattgtttt	tttcttccgt	actttttgtt	ataagcctgt	180
ggtgaagtgt	ccatatcttg	cataaatgaa	tgtgagtggg	cttgggaatc	taaatataac	240
atgtttctaa	gttacacac					259

<210> 869

<211> 436

<212> DNA

<213> Homo sapiens

<400> 869

gaaggaggct	gccctgcctg	gagtgaagag	tgcattggagc	agtctcagcc	gacccagggtg	60
ggatgcgtaa	catggccgag	aaatccaccc	atgctgctga	gagctactgc	gccatgggggt	120
catgtgtcac	ctaactgact	tagcccagcc	tgactgatcc	cccgtgtgtg	accagacatc	180
agcacattca	gaggacctca	tactgggaat	tggtggacct	ttcagaatgg	acatgaccac	240
tcaaagtagg	gacattactc	gctatttgat	ggcccatgtg	ggatcaaagg	ccactgggggt	300
tccctcaagg	cacagcacac	ttagaatccc	ataagtcctc	agttctaagg	catgtatttt	360

```
tcatactttt gataattctg aaatcaaagt atagctttct agtagatatt aaaactcatt 420
ttcagaatcc tgcaga 436
```

```
<210> 870
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<400> 870
gcctgggatg acctctgcct gttttcaacc attattgatg cgcaatttat gagaggatga 60
tgtggcaaaa tgatttgaaa attggaagtg atttactgca caacttaaatt attttgtctt 120
atcattacag caactctata agtaattaat tctggcacca tattttacaa agaactttga 180
caaattggag cccatccaga ggagaacaaa caatcttggt aagggtcttg aaaccacaac 240
ttgtaaggaa tgatggaaaag agctgaggat gtttaccttg gaagagacac attttaagag 300
gaacatgata gcttttttaa aaacactgaa aagaactgtc tgggtggaaga gagatttgat 360
ttattcaatg ttactctgga gtatacattt aaagccaaag agtaaaagt aaatcttaaa 420
ttctctatga tctaataacc aaactttccc aaaccaac 458
```

```
<210> 871
<211> 450
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G
```

```
<400> 871
ccttgagaca agaactcaac ctgggtcaata ccttgatgtc ctgaggctta tgatatcctg 60
agaagaaaaat ccagccacac caggacaggc ctctgaccca cacaactgtg agctcatgaa 120
tgggtgttgt tttcacagct cagtcagtgc tgttttgta cagagcaaca ggaaacgaat 180
acccctccca cgcagatctt tttctagagc aattaattat gcatacggaa cggatgaaat 240
gtgctaaggg accagtgaag aagctgacgg tgtcctcagg atgaaataga gagggaaaga 300
aatgctattc attccacaaa catttccacc cccanggaag gccctccttc ctgcatntag 360
ccacgattca aggaaaggtg aactcacagg aaaaggagac taaagttctg atagaggaac 420
ttttaccata ggctaccagc cattctttcc 450
```

```
<210> 872
<211> 426
<212> DNA
<213> Homo sapiens
```

```
<400> 872
aaacctgaga ggaagcagaa catgaaagca agaaatctga gagcaaatgc agcctttaga 60
tgagcttgaa cacagaagag aggcgatcag aggagaagat caaaggctgg ggaaggaggc 120
tcacaaggac ttcccacacc agctgacagt ctgtgcagag caggcctgtg cttcctccct 180
cagaaggcag ggctctagca gaatattagg aataaggcat ttctctctta atacagaaga 240
atgaacagtg tcatgtgtgt tggtaatttg taattgctag attgataaat aaatagggca 300
tccaaattca tttctttaat tcttacccta atttttgcat cttccattta taaaatattt 360
taatcatgtt ttatatctaa gcttatatgt ttttgatatt actatcaaaa aataatttaa 420
ttagcc 426
```

```
<210> 873
<211> 321
<212> DNA
<213> Homo sapiens
```

```
<400> 873
gggtctcactc ttgtcaccca ggctggagtg cagtggcgca acctcagctc actgcagcct 60
tgacttccca ggctcagaca cagactcaga aacttgagac aacgttgccc aagatcattc 120
cacactgaga aaaaaacaca ttagaggcag cagtgttttg aatagggtgca tggctagtgt 180
taaataatgg aaagaaattg gaacaagagg caagttgtga agtaaaagtc acaccctggt 240
```



```

atgaaaacct gttgtcactg tagcgaaact tgctaattac agaccggctc catcagtagc 300
ttcacaaatgc acaaaatcac c                                     321

```

```

<210> 874
<211> 371
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

```

```

<400> 874
aaattcctct ttttccttga agaaagctgc ctcaactgaag gacactccac cttcccaagg 60
gcagcctaca atggtgtcca tgctgagcac acctcctggg gaacctatgc actcaaactc 120
ctgtccagca cctgcttcct ggggaatcaa ccgaacagat gatgccagga gtagtctgag 180
aaagaagatg ctaagatggg atctgagggt gccagctgac cactgacagg caatgagatc 240
cccgttaccg ttggtacacc gagctgataa agccccctgac acaagatggg gatgaaactg 300
gcaaaacttc caatgggggt taaaatggan ggggntacag ggggaaggaa atngnntttg 360
gggtaaaaat a                                     371

```

```

<210> 875
<211> 433
<212> DNA
<213> Homo sapiens

```

```

<400> 875
cacctgagca acacagacgg tgctccttgtg agagaaacaa gcagcttgtg ccctcagagc 60
aggaagacaa agagtaaagc ctttatccca ctggtttggac acacagtgc tccatctcat 120
tgaagcctag gtgatgcact taatcacggg ccaggatcca ccagctatgc aggcctcgcc 180
tagaaaacag attgcttcac accatccaga gctcttcagc agcctcacat tgcagtcagg 240
ctgcaactgg acagatggca tgcagggctc agatgtggca cagttgggaa gcattctggg 300
cccactcagg atacaacatt gaaaacatca gccacgccct gctggatgag ccagggtctg 360
atgaacgggg acttgctcag cctacagggtg tccccagcc atcttttctt caccagcaca 420
aaagcttcac tcg                                     433

```

```

<210> 876
<211> 328
<212> DNA
<213> Homo sapiens

```

```

<400> 876
gttcgtgggt tcgggggctt acatgaatga agcttcgcag accttcgcga ttggccttct 60
tctctttctc tacaggcagc aaagaatatg ccatctacag ccttgcttag caacctcagg 120
agaaagggag ctcttctttc tctagagtcc atagtgcatt cccagagaag cgttgattag 180
ctgtgctagg gctccatgcc catccctgta tccagaggga catgttctac aacttcgtgc 240
aaattaaaaa caacacattt ttgaggagga cagtagagta tgctgggcaa actaaataaa 300
taaaaataaa taaaccaaaag tccactgc                                     328

```

```

<210> 877
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<400> 877
acaccaacca aatgctgtct ttgaatgtac ctactgacat tctcaccaga aatatagaaa 60
tcatctgttt tcccacaacc actccaaaaa gactctacac atactggatt taccactgtt 120
cagggaaaaa gcaagatcat ctgagcatgt ggagcaagac ctgtgatgcc atcttcttgg 180
accatctcat tttttagttt acttttcgcc atttttatag agaaaacctg agttggctag 240
tggcagaatg gttggagctg ataactgcaa agagtacatg tgaaatgcta atatccatgc 300
ctctgaaaca ggatcattac acagagggtt ggggaactcc agttattaag tatatgtaac 360
tcccatttct taataatgat atttttaata aactcttttt tctg                                     404

```

<210> 878
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 878
 gtggatgatc aagagccctc atctggaatt agacctatct tgcttggtca gatccctgaa 60
 ggagaaaaga actgctggta tcccaacctc aacgcagcaa gtttatttta tgtgttttac 120
 atgatgtcct gatccaaaag ctgggtttttt aacaacaaga ttcacaagac gaaaaaatat 180
 tttaaaaata tggattgact gcttgagaga aattttaaata cttttgagca gcaactgactt 240
 tgaagtggaa ggatataagc agtgggagct gaagttattc agatacacag agcaaggcct 300
 tcggacgaga gctttgatga gtcctgaagc aactgaagtc atgaatacgc ataagctata 360
 acttacaagg caagctattt gggacagaag ataaggcatc cacttcttag gaaaaatgag 420
 ctacgcgctc tacgggtgtc ggggtcacat 450

<210> 879
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = A,T,C or G

<400> 879
 ctatcctact ttggagaaga cgctggaaat tcagagtttc tgccagagaa tatatgcctg 60
 aactaaaaga ggaagtggcc tataggagaa aatgaaatat gattgtccct tcagtgggac 120
 atcatttgtg gtcttctctc tctttttgat ctgtgcaatg gctggagatg tagtctacgc 180
 tgacatcaaaa actgttcgga cttccccgtt agaactcgcg tttccacttc agagatctgt 240
 ttctttcaac ttttctactg tccataaata atgtcctgcc aaagactgga aggtgcataa 300
 gggaaaatgt tactggattg ctgaaactaa gaaatcttgg aacaaaagtc aaaatgactg 360
 ggccataaac aattcatatc tcatgngat tcaagacatt actgctatgg tgagatttaa 420
 catttagagg tgacagcatc cccacactg gcagtgtc 458

<210> 880
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 880
 aatgacccca cctggactcc tgcctcaaga cttaacatcc tgtggcccta tgcagaggca 60
 gactcatcac accaggactg tttttcacac tccaatcatt ttttttccct gaccaatcaa 120
 cattcccatc tccctagtcc cccacccatc aaactatcct tgaaaaccct aaactccaag 180
 cctttgggga aatacatcaa tttgaataat aactctgtct catgcatggc atggccagcc 240
 tcctgtcaat taaactcttc ctttactgca atgt 274

<210> 881
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 881
 ataaatatgt actcaaagca ggtgggtcaa tccacttata agcatttggc ataccagggc 60
 tcaatgggta atcacaaaga agaacggggc agagctagag aacagagaga acgctttttg 120
 tgactcaagt gtgcagaagg taatcaactc ttcttaagga tcagatgatg ccacttggcc 180
 ctacaatgtg atatcttcag tttcctacat tcagtaaaac ttttcaagac tcagcctcat 240
 ataatagaat gttactcaac atttg 265

<210> 882
 <211> 278
 <212> DNA
 <213> Homo sapiens

```

<400> 882
tctctgcacc ctacaataca ccaactggca gttccatcat ttgaaagaaa atcttcaagg 60
taaagacatt tacaatgaca caaaaacctt tcaaaggcat catggtccta aagggctttc 120
cccaagggac agcacagtgt gttccaggcc ctgacaagag gtttaagacc tgtgacacag 180
actgaagctc tcttggcata ctctgaagct ctcttggcac cctccccctt atgcttcaca 240
ggtgtttctc ctaataaatt tcttgtatgt ctcacccc 278

```

```

<210> 883
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<400> 883
gttttccccga ggatgactct ggctgccctg acagccccac cacaggggac agcagcattt 60
atcttgacttg actaggattg gaacttccag tgatctacaa tctccatatt atctctgttt 120
ctacaaggaa gcaccttctc catgaatatt atgcacttag ttaaaactgag ccatggaaaag 180
ccaatcattc attcaacaaa tatgtacaga gtgtcaataa tgtaccaggc aagaaacaag 240
gagctgcgct ctttcttcaa ggaatccata gttctatcag tagaaggaat aaaatattct 300
aagtgtcttt gt 312

```

```

<210> 884
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<400> 884
ctgtatcaaa tctggattgc aagctggcct tctgattgaa gacgtcagga atgacacaca 60
acagcctacc atcctcattt ccactgctct gctgaccagc ctaaataaat aactttaatt 120
ttg 123

```

```

<210> 885
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<400> 885
ctcaaaatca cctgtgatat ctgcagctgg ctttgcagag cttgtagatt tgggctgttg 60
accaagacag aagggaaatc agggatcgtg tctgcagccg aagaaagaag atgcaggcga 120
tagaggaggt ggagaaggag tagctgcccc ctctttccta cctgatcatc agaggggaag 180
aagccaagac tcaaggagtt aagaactttt ccaagggtag ctattagcca ggactcaaac 240
ctacatactt gaatgaattt ctacaacctg ttattgaaga ctaaggaggc ttctcagcct 300
gggctggatc ctggacagac aggccaggc aggctgtgca ctgtgacctg gggccttgct 360
tgtgaacaaa gaggacttca agaggagatg gcctggagga gttcgccttt gtggtcattt 420
tgcttcagtc cgtgacaacc tggcttctgc 450

```

```

<210> 886
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

```

```

<400> 886
agcgtgaagat cttcaaggac tgtgtgttgt tcatcttttg actgtgtgac caccacccc 60
ccatgctgaa cactgtacct ggcttagtaa gttttgctaa attcatggat gaatgaatga 120
aatgtgaaga agctccggat gatgccaagt tgcaagggaag agccaagaac tgaggggaac 180
ttttgggagg catgaaatgg aagacaaaaa aagccactct gcctccatgt actcttcgaa 240
ctttccaana ataccatgct cttcttgagg acttttgcnc caanacaggt ntttctttan 300
annnggcncg ggggccaatc ctggnaaatt tcttgggcct tggggttgna aaaaagncct 360
nccttgggaa gccggcccca aaaaancttc cgggttgggga angggaaatn ccctttttnc 420

```

caaaggggtg ggccgggacn cctttccttt nggggggaat tttttttccc taaaaccc 478

<210> 887

<211> 616

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(616)

<223> n = A,T,C or G

<400> 887

tccttcctct	ctgaagccag	gatgaaataa	cgttgcgatg	taatacaaca	aaccatatac	60
ttccaagttg	aaatgacagt	aaaatggtgt	gatcttggct	cactgcagcc	ttcacctcct	120
ggactcaagc	aatcctctca	cctcaggctc	ctgacacacc	agttgcacat	tcaggtgaaa	180
attcaggaag	aaaagaagcc	gtctacatcg	cggtggatgc	cttggcttat	gaaaactttg	240
tgggttcctg	gtctcgctga	cttcaagaat	gaagccgtgg	accttcacgg	ctggctgaga	300
ttttatatac	acaaccacag	ctgtagaccg	ggatatttac	tgcagtgccg	tctgagatgt	360
taaaagaata	taccaagccc	tattaattat	tcagaatata	ggagtgatgt	ccttcttctc	420
aaagcacata	tagttcacat	ccccaggctt	aaattattat	tattgctatg	ntggagctgg	480
gtttaaaagt	tcgtgaggag	tgattggtaa	aatttcanga	attgngcaag	ncagttggta	540
acacaaccct	tatgtaatta	tagaaactta	caattaaata	aattatggta	aaaaccaang	600
cataaatctc	taactc					616

<210> 888

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 888

gcttgaaccc	agtgctgacc	ccctcccaag	aacttcttgt	tcttgcttcc	agaggattgg	60
aactgtttca	ggggtagcac	ttagagagca	ggacatgccc	ataagcttga	ggaaggtact	120
gcttacaaga	aatgagtcac	agcaactcca	ttgcttccaa	caacaaaagt	gatgaaaaac	180
actcaagccc	cactaaacaa	tactcggagt	tttgctgcga	cagactgggt	agactatttg	240
gacactacca	tgaagactat	atccaccatt	ctgccttcaa	aggaggagac	tgcagagaga	300
aaaggggaag	aggaacagga	ggaaaaaggg	ggaggggagg	aagtggagga	ggggaanaan	360
gncntnntnn	angaaganat	ntnnntttat	tgccatanaa	atgacngnnn	gaatccattt	420
tttctctg						427

<210> 889

<211> 572

<212> DNA

<213> Homo sapiens

<400> 889

atttaccgtg	aagatgctga	catgtgttag	aaacagaaaa	tccagctcat	gtggttttaga	60
cggagacgtc	tctcatagca	ggaaattcca	ggtgagggca	gcaggatttt	ggtgaattgc	120
ctgggttggtc	caccaaggac	tcctgctctt	ctcatcttcc	caggcggcca	ccccagggtg	180
aagatgctct	tccggccacc	ttctcttata	agtgcaaagg	gctgcgagc	accaggcatt	240
gcattccagc	agggaaatgca	acattcacca	gggaaaaagg	agcatttcct	ctttatgttc	300
ctgtaggagt	gagaaaacct	ttgccagaca	accccagca	ggcttcctgt	tgggactcat	360
tgacttgagc	ttgtttgaag	ccaattgttg	gaaagagaaa	tggagttacc	aagattttct	420
caagagacag	agtttaccct	tagccacaca	aagtggatac	ctgaaccagc	aaggatagag	480
agggcatggc	tgctgcattg	tcaaccaaca	gtattcacaa	cagaatgaaa	aacaattcac	540
atttactact	gaataaagca	gacactcctg	ac			572

<210> 890

<211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = A,T,C or G

<400> 890
 acaaagacag tcacagagtt aacatgtttt ctgagggtcat accactaaaa gtggaaaaaac 60
 gattattttga acccaggcac tctggcacat gctttatgag attcatttct ttgcaccctc 120
 agttaaggaa agacactacc attcaaatag acaagctaca taagacagac tacgtataca 180
 ctggaatcag agtctccaat cagaaagga ttttgtgtct cttttcctgt taagaacctg 240
 gtttagacag ctctgctacc tataaacatt tgctctaatac aattagagaa ggagagccta 300
 agaaatggtc atgcaaaata ttcggacaat gtcacatgat gcctgaagac tgctctcatt 360
 ttaactggga taaagaggac atttctccat tcaagagctg cttctgattg ntctatgttt 420
 ctgatgcatt tttactgacg caatacatag ggtaataaga tactcatgtt acagacacat 480
 tatgtaataa gtctgnatcg gttatatcct tatttggttt cangaaaatc aagggtttatt 540
 tttacttctg ngaaacaatg ncatttcaac ttatttatac atattccttt atcaaggaaa 600
 taattttatc ctggatatcc cc 622

<210> 891
 <211> 235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(235)
 <223> n = A,T,C or G

<400> 891
 gcctccccctt aaaatgtcat cttggaggaa tggatatggcc tgaaccccag cccgagtcgt 60
 cttccacagc gccatcctgc tttgctttct tcccagcacg tacctttgga atgatccgat 120
 ttctcactaa ctgtcctggc ccccttgaat ggatggccca gagagacaag gcctccttca 180
 cagcggatgc tcagaattta actaaatgat ttaacganta aatttaggta aaact 235

<210> 892
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 892
 caagactgcc tttctggccc tcgttccttc ttctgtctg ggactctagt gaacatcatc 60
 tacgaaaggt tctgatcaga aaaggcattt tcagagctga cactggctgt tgaaagaaaa 120
 gaataaaaag cttgagactt tcagcatcct ggagaaagaa tatgcttcat ctacgcacct 180
 cacacatatc tgacttgaaa tcagattaat aaatataata cttccacaag c 231

<210> 893
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 893
 atccagtaaa gactgcgcgt ctgacacctt taaaagtctc aaaaggaaac atttaccatc 60
 tgttctttct gagggaggct tcattctatat aacaagaaga ccacctttgc tagccaagcc 120
 accttttttc ccccttccca caaactgttt taccagaatc caagccccca ttctttctgt 180
 aacctctaaa tggatatata atttctgtaa ctc 213

<210> 894
 <211> 138
 <212> DNA

<213> Homo sapiens

<400> 894

```
gacgttctct gcaggcgaat agtttctgca ttacaggatc ttctgcaaag gcccatcaac 60
tcgtcaatgg acagcaccaa cagtttgcac tctaaaattt tttgaatgcc tctcattaaa 120
atcctcctct tgctgctt                                     138
```

<210> 895

<211> 219

<212> DNA

<213> Homo sapiens

<400> 895

```
gtttatgcta caagttactc cagttctaaa ctgaatggaa aatggaacca ggtgatgtat 60
ccatgtgaaa agagaccac cactggggat gagtgaagta gtgaaacgct gctgcagaat 120
gaggtacggc tgagacagcg gtgaaccatg gacaggaggg aggtacacgt gaatagacgt 180
ttatgtgttt tatgctaaaa taaaatgtat aatgattgc                                     219
```

<210> 896

<211> 453

<212> DNA

<213> Homo sapiens

<400> 896

```
ttctcttgta gctagtatgc caaaactttt aagagaccat gtgcaaccct ccagagccct 60
atttgttggc tacaaggacc tggaagccac atgtggagat ggtggaatca caggctaaag 120
agtagtcttc attggaagtc acctttgaaa acagaacgct acttttgttt agcactgcaa 180
tactcttcac cactctccac ttgggttctc cctgttttgc aactgtaag aaaatgaatt 240
aaccaattaa ttagccccct gtggctgagt tcttaaactc tagaaggggt acagagagat 300
cctacctacc ctatggatgg cagaaatggc agctgacatg agtttcactt cctcatttat 360
aaaatagagg atactaacag gcccatcttc aaaggctgtt gtaaagatta aatgagttaa 420
tatatgcaaa taaactggaa cagtgcccat gac                                     453
```

<210> 897

<211> 184

<212> DNA

<213> Homo sapiens

<400> 897

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ggttgcggga gcctacgaag gagaggggct gagccttata aaaacttggg cacataatct 60
gtctaatacac tttgaagatg aaaagttgct gtgaaatgcc aaccgagctg atgggaccag 120
ggctggagca gagatgaaga gacacagcag ggccaattgt gcaaaaataa aatgcatatt 180
tttt                                     184
```

<210> 898

<211> 90

<212> DNA

<213> Homo sapiens

<400> 898

```
caaaactcca gtctgtcatc acctctgaca tgcgccaaaga gctaccagga atgatgaagt 60
atatttcaaa taaactttcc tattaaagag                                     90
```

<210> 899

<211> 452

<212> DNA

<213> Homo sapiens

<400> 899

```
agaccacagt attgagggac tgaagtttca gcagcacatg ggtgaccttc gaaatggatc 60
ctccatcacc ttcagatgac tgcagccctg gatcacaact tcaccacaac cttgagagtg 120
accctcacct tgaacctccc agccaagctg ttctcagaag gccagctaac ttccaaaatt 180
acccaaggat tcatcatatc aaggggcaaa tggcttctctg tttctctctg tgtcctctca 240
```

gggcattagt	gtctggccct	ctctcaaggt	acctgaatgc	tgggagcctg	aatctgacaa	300
tgcccattgc	acctcacaaa	tcagcttgag	acaatgctta	catatgttcc	ccctgcttca	360
tatgtctcgg	ttatacttga	gtgacgctca	tatactttta	ccccattttg	tatctctcag	420
ttatacttga	ataacgctca	tatacttttc	cc			452

<210> 900
 <211> 636
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 900						
gaatggaaac	tagggctcag	aggtttcact	tgccagaagt	cactcgggtcc	ctgggaagga	60
tgcaaacaccag	ctcacctggc	tctccagcac	atgcacccca	gaccaccccc	aaggatgtga	120
cccattcctt	ctgtggagtc	tgatcttcca	aacttttagac	aacagctcct	tctgcaagct	180
ttcgagcctg	caagctaagg	acatgaatga	actgagtcac	ccccacagag	cttcattaat	240
tttaaggcaa	tttaagattt	ctgagtcata	ggtttcagtc	atttagattt	ttccagctgg	300
tactgtactt	gcccacacac	acttttcttt	aaagattgca	tctgtctaga	tgtgtgggtc	360
tgcccaccct	tcctcagttt	ctgagaagaa	actcgccctc	gtggagtgtc	acatgcaggg	420
ctaagccatt	tccatttgcc	acgtgcatta	gagtcctttg	ctgagggatt	aatgggatta	480
gcagtctgca	gcttgatcta	gactctatcc	accagagaca	tgacaattc	caaattctat	540
atccaacaca	atattttacc	cagtcttccc	agaaaattca	gttatgccat	atggngactc	600
cactcctgaa	taatatttaa	gcaacttgat	gaacaa			636

<210> 901
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 901						
agcagtagga	ctcaacgctg	aaagagaaga	ggcgggaagc	taagaacaca	aagagaagcc	60
atgcagggat	tcacaaaaac	agcaggcagc	cagtgttgct	gatggaatgt	tggaggaagc	120
tgtcttggtc	agcaatacag	gaaaaatgac	tgcagtgaaa	gaaaatggaa	caagtgcata	180
cattgacaag	aaagatatgg	attcctatac	acaaagactt	ccccttgcca	gatggcaggg	240
gtggcatttg	cagatgatgg	gcagaggggc	tggccctccc	acattaggtc	agattggcta	300
acagtcattc	cctggcagga	aggttcccaa	ccctgggtgc	attgcaccat	catccgtgaa	360
agatcatttt	attttaaaat	cagattcttg	gttacaccct	agccctacat	aattaggatc	420
tctgggggatt	atctcctgcc	atttcacaaa	tattaaatgc	cattatgctg	ccttttg	477

<210> 902
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 902						
aagacaatgg	gatggatatt	tggatcagag	tatgagttgt	ggatgaagag	ggaaaatttc	60
tcctactggc	actgtgatga	ctagtgcata	cctacgctat	ctacaatgcc	ttccctgtct	120
tgcggctcat	tctttctgaa	gccagaacac	ttagagtggg	tggggatagt	agggagaacc	180
accatgctgc	aatagcaaac	cagctccaga	gaaggggtct	caaggggtgc	taataatact	240
ttctgacaat	gaatcttcac	tgtggggata	taaattatat	gcatacctaaa	cttg	294

<210> 903
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 903						
gacattccta	cattgattgt	caaggtgttg	aaatttccac	catgtagttt	tttctccaca	60
ctcacagaga	ggctcacggg	aaacctccta	gagcatctta	ttaaaagaga	aacgctacag	120

ccatagtcac	agatgagctc	tggtgactaa	aatcccacct	accactactt	gactgttgcg	180
gtccctgaag	cctacaaaat	cgcagaatga	ttgctgggtc	tcaaacctct	aggttacttt	240
atgattggga	attttacata	tatccattgc	ctgaaatgcc	cttagcatct	attacccttt	300
gagacttagc	ttcaatatca	agtaatgaag	cctttcttaa	gtacctagag	aaaatcagtt	360
ttccgggtctc	tcatgctacc	tttgtacgca	cagctttctg	ttgttacctt	ttcaaatcaa	420
tcatttcacc	att					433

<210> 904

<211> 437

<212> DNA

<213> Homo sapiens

<400> 904

gtctcagctg	tgatgctcct	cggaggctgg	ctcctggttg	ccttcaatgc	aattttcctc	60
ctgtcttggg	ctgtggcccc	caaagggctg	tgcccaagga	gaagcagtgt	tccaatgcca	120
ggggtgcagg	cagtggcagc	tactgccatg	attgtgggtc	tgctgatttt	cccaatcggc	180
cttgccctccc	cattcatcaa	ggaagtgtgc	gaagcctcct	ccatgtatta	tggtgggaag	240
tgccggctgg	gttggggtta	catgactgct	atcctcaatg	cagtcctggc	cagcctcctg	300
cccatcatca	gctggcccca	cacaaccaag	gtccaaggga	ggaccatcat	cttctccagt	360
gccaccgaga	gaatcatctt	tgtgccagaa	atgaacaaat	aaaaatctcc	tgggagtagc	420
acaaagggga	caagtga					437

<210> 905

<211> 237

<212> DNA

<213> Homo sapiens

<400> 905

caagcaagaa	gatatctgag	aagcctgaga	cccatgccac	agttcccca	aaggagcaag	60
ggaatgctgg	aagttactga	aggagaggaa	agcatgtaga	atccctggat	ccaaggcaaa	120
ggaagaaagc	actagaattc	aacttgggtc	tgcaaaaatg	aaccacagga	agacctagac	180
aggctttggc	atcgctatca	tggtaacctt	tgctactcat	aaacaacaat	tcacaag	237

<210> 906

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(633)

<223> n = A,T,C or G

<400> 906

gcacactgga	cccttccgga	aagatcgag	gaagcgagtc	agagccgagt	ctttttcggt	60
ggagcttaca	ttctaggcaa	ataaggtcat	ttccgccagt	gatcagtttt	catgacaaag	120
aacatacaac	tgtgatgcag	tgactgaca	gaaggaccag	ggaaatgggg	ctgctctttg	180
ggatgcgaat	ggtgacatct	tcaggagaca	acatctggtc	tgagacttga	ttgaaaagaa	240
agtgtcaac	ttctgaaggt	ctgggggaag	agaggctagg	cggaaatcag	ggcttgtgca	300
aaggcccaaa	ggcagcaaga	gctcctgtga	tcaagaaaca	gagagaaggc	cagtgtggcc	360
ggggcatgtg	gagggctggc	tgagccttgc	aggcaacagc	gagccagaag	tcgggctttt	420
attctgagtg	cagtgggaagc	cccttggggg	ttttcagcag	gacaggcagt	ggcatgaaag	480
cagaactgag	agagctgggg	ttacctccac	tgggtttatt	ctctttccac	attctctgga	540
agacactcca	ctttctttct	ttaaaactgn	aattncctt	ggttgacttt	aataaccanc	600
caagaacatt	ttttcagctg	gttaaatttt	ttt			633

<210> 907

<211> 647

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(647)

<223> n = A,T,C or G

<400> 907

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attatatctt ggccaagcac agagattccc tgaaggggtcc gctcaagaag caggaggtgg 60
attcagcccc acagcttccc aaagtggacc tactgacggt gcctgcagtc gacacgcaga 120
tggagacgcg gcccatgacc ctggaggaga tggaggaagt gggcaagcgg taccgcgagc 180
ggcagcgaca gcacaagctc acgatcccct ccatccagta cacggagcaa tgtcacctgg 240
tgcgctgtgg gaatcggcac tttgatgagc actgcctccc gtccaccatc cacggggata 300
tgagggagct cattgactcg gcccgcaggc acaactttct ggtctacctg caatgctgga 360
agctctgtaa gtcctatggc ctcccgtga cagaggacat cctcatgaaa gccttgctgt 420
acccaggaga cgagatcatt ttccagatgg acaaagtgtg ccccatccgg cagccgggag 480
gctactactc tgactggaag gtcttttctc cgaatctggc tcttgctccg gtcccanggc 540
ccctggaaaa cgcccaaaga aaagcaagaa aatgcgcttt taaggagttg aggaatttac 600
cangaagctt gaanggggga anggnccag ggcttgaagc aaacaca 647
```

<210> 908

<211> 298

<212> DNA

<213> Homo sapiens

<400> 908

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attattgaca agcacctggg gctcaatggg gtcaagttgt acttggtggt tcaacacccc 60
gcagcaaccc acgtagccgc tgggccctgg attaggaccc ccagtctggc agtgcttacc 120
tgcccgtctg agtgatggag agatgagtat cagtctatac ctcaactgct tcaagcccgc 180
ctgggctttc tccctggcgc ctttgtctgt gtcagggttg gagcaacgaa actgaaagat 240
ctccagagtt tgaaaacaga gtgaaagagc aaatttaata aatgagagct cagcctcg 298
```

<210> 909

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(197)

<223> n = A,T,C or G

<400> 909

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gntggctgga aatattcana atgagagccc acaattcanc tctcagtgcc gagggacttc 60
cttgntgat gtactgtnga gcagcagnac tatcttgttc tgctanaact atcaaaagta 120
tatgaaaatc tcctttgaaa actcagaatg taagaaacat cactgaaatc ttcaattata 180
aatcttttgg gaagctg 197
```

<210> 910

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 910

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atgggacctt cacaatatat tcattgttca gctggaaacc ctgggaagca gtaatctgag 60
ctccttgctc tgaggccact tgggtggccat ctccatocaa tggtgtctgt ggaccccaac 120
agagggctga gcagctgtcc gtccttgact ctgggagaaa ggcgttatca tcaagatttc 180
cataagtgga cagaagacac actgaccatg aaaggaaggc cagcactggg tgatcatttt 240
cattctaaat ggaatctcat caaataagca aagaagatta agcgcagaga aaagacaatg 300
ctgtcaccat gcccatgcca aacacttttc atctattctt ctgagactag ctctgagaag 360
ttacctggga gattttacct atgtaagaag acaacctttg ctactgngg agttctgtcc 420
ctcacttttc tgcaatttgg tggaacatcc ttcagagatc aaaaaaactt tgttctaaga 480
```

cattggctgg	tcttgggact	cattcaatct	ccctgaaagn	cacttactac	cccttaaaat	540
tacctacatt	tctcatttct	ctcttcccta	tgaaaaaagt	atttaagctt	caacccccctt	600
gccctttntt	tgagtttcat	attttggatg	ggtccggaaa	cactt		645

<210> 911
 <211> 639
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 911						
atggcactgg	ctgaggcaga	atgaatacag	ctgctgattc	tgatctcaca	ctgggtatat	60
ccctgagtg	tggaaaaaac	atcaccctca	gaagtgtgca	ttcagccagc	tgccctttgga	120
gagagccggg	aaggggtgcaa	agtggcatgt	cctttaccag	tcactctttc	tgggccaatg	180
cttatccaga	aatgagacag	aactatgggt	ttactgcaaa	tgaccagcat	ccgcaaagtg	240
atcaagacta	ccaactttgg	tgttcactct	gcaatgaaaa	aatgaaccag	cagaagggtg	300
atgtgaaaaga	ctaagaagag	ccctgcagaa	aacccgttag	cccatgtttt	catctgtaat	360
gtggatgtgg	gatgggaaga	gggacaacga	catagtaccg	accaggttcc	agaaactatt	420
ccaagtgtct	tacgtgataa	aaatctctta	attgtctcaa	cgaccatacg	aagtatatcc	480
ctagtgggtg	ccctatttta	tagatgacaa	aaccttactg	atatctgtgt	aactagtaaa	540
gtaggagaga	caggattcaa	tctgtcagcc	cacttntgac	ggtggccgng	tcccttgttt	600
tgggatccctg	acaggcagnc	cccanccagg	aaccccgctc			639

<210> 912
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 912						
gtcttgtaga	aatttgcttg	atgcaccccc	tagatgtggt	gaaaaccagg	tttcagattc	60
agagatgtgc	aaccgatcca	aacagttata	aaagcttggt	agacagcttt	cgaatgattt	120
tccaaatgga	aggaaccaca	gcatgtgggt	aagaaacttg	gatctgacag	cagaagaaga	180
aagaggatat	tgtatgcctt	caatcagctt	tgtattagga	gagccttaaa	ggaaaaattt	240
tgtgaaaaaa	gaaagaggaa	gaaaacaaca	aactagcaag	atctgtattt	cagtataatt	300
tggagaaaaa	gactgatttg	ggttgggtcat	ggtgccagaa	cagatgactc	aaggcttcca	360
tacaagaaat	ggaaatcagg	aggatgcctg	aagcctgaaa	gaagaacaaa	ttgtaaagat	420
atgattgact	gtaaggcttc	aaaatcaact	gtaccaaaga	tgagcttgaa	tcattgcccc	480
gaacagagct	gaatggggat	gttccatttg	gttctggctg	ntgaaacaaa	ataaaatgta	540
gtaattgnaa	aaaaaagaaa	aaaaaaaggc	cagcgaggcc	aattcanctt	ggcttaacca	600
ggctgacttg	ctcaaaaggg	gggggggggg				629

<210> 913
 <211> 644
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

<400> 913						
aaaataggaa	actttccaaa	ggaaaacaac	aacaacaaca	acaacaacaa	caacaacaac	60
agacacccag	tgagtcttaa	gtgcctctga	gaaggtagag	ttgaagaggg	agcaaacaaa	120

attaagagat	caaccctgca	atccagaaac	tcagctgatg	gccagtgtta	catagagcca	180
agattttaagt	gccactttgc	ttctcttcca	gtaaacaaga	cagataacca	actcatgagt	240
tgctccattt	tgcatttcta	ccagcaatgt	gactactctc	ccctaccttc	atcaacacaa	300
gccatgcagc	caccgcagca	ggtgatgcct	ggattctgct	gcatccaggc	tgcatatgcc	360
tgataacctga	caccctcgga	actgacgtct	gcactgagag	cacatctccc	aactgcagag	420
cccaggtgat	ggtgctgctg	ccagcagaag	tgctgatggg	ccaagctcct	acaaagcttt	480
cttggctcttc	tggagccttc	agtgtgttga	agccacacca	aagcagaang	cgctttctca	540
ttagtggaat	agtatggtaa	ttggacacca	aagctatacc	ataaaatcat	caacactgna	600
taattggtgc	tattgaaaat	gcttatgggt	cattattaaa	catg		644

<210> 914

<211> 634

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(634)

<223> n = A,T,C or G

<400> 914

atgggacacca	tgtggatgaa	ttggtggtgt	gaaacgctgt	ttgggaggaa	acagccccag	60
cccaaagccg	gcaatcctat	gtatctcctt	tcttgctggc	ctatcatagg	acaggtgtgt	120
ttcttacaga	tacaacaaag	ctttaaagca	cgaaaaagat	gaactcgaaa	caccagtgc	180
tggaggaacc	atgacaacac	aaacaagaag	gaaacaagaa	agaaaaagca	taatcctggt	240
ttttgtgttc	tgaattgtgg	atttgaaatg	gaggctcccg	tggctgctga	cagcctgcct	300
tgatgctgct	gatgtctggg	tgatgaacag	tcattgggtt	cctcccacct	gcctctgtgg	360
attaatgaag	agcaaggcag	gaatggcaga	cctgccatct	ggaatgacct	tacctgataa	420
gattgttctg	ccttccccgc	caaaggtgag	gagggctttc	aggatgcagg	agactgtttt	480
ccccacacct	taatgagaaa	aattgacctg	tttattcacc	agctgncttc	tttgtttcta	540
atccaagcaa	ttgctgcaaa	atcgntttca	cttctttcat	ggtgaaattt	gagcagaaaag	600
ccccctcgag	tggcttatct	ttgcagacaa	ccaa			634

<210> 915

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(553)

<223> n = A,T,C or G

<400> 915

gacaagcgcg	accacccaca	catgacggta	ctgtgagggg	ccagtagtac	gaatgaatcc	60
caactgggcg	gccctgcttc	cctgcctcaa	cccagggtcg	tgtgcttccc	agcaggcact	120
gccatctatc	cagccccaca	gtttcccagc	actcagcact	tctgatgctt	ggcctcaacc	180
tcgccaccac	tggagaagat	gaagggtgcat	tctgggtggct	tccacaggta	tgacactggt	240
tcctgggacc	tgaagagaat	gcactgtcta	caacctgagc	tacaaccttg	cagccacatg	300
ctgaataaag	tgcttcaact	cacagctcaa	aagcccatgg	ccagagtgtc	cttgggactc	360
ctgctacaat	ttttgttttt	cactcacaag	tacaattaag	gaaataatct	tttgggttta	420
agtgtaaata	ctaaaatctg	ccctgataag	gtccttcccc	ttgcatgcaa	tctatttata	480
ttctgttagc	aggcaaggaa	cttcctatgg	ntaatctgct	tgatttgggg	gggagagtgt	540
aatctttaaa	aag					553

<210> 916

<211> 167

<212> DNA

<213> Homo sapiens

<400> 916

gaaatggtac	ttttggatca	catgtgaagg	tttaaaaaaa	tacagctgcc	ctggcttctt	60
gaaatctgga	aagctttaca	gcatgaaaga	agaatgggtt	cattggataa	taatccatct	120

gcaataagag caaagtccat actactatta aatgtgttta tccactg

167

<210> 917

<211> 184

<212> DNA

<213> Homo sapiens

<400> 917

```
ttacaccacg cctcctgagt atgacagcaa cattccttca gggattaaag aaaatgcttc 60
agaagattgg aacactgctc agccttccca accttctttt accactgatg tttctacctt 120
agtgatcttc ctccttattt taatgcttct ttctctttac aattaaaagt tcataaaatc 180
tttc 184
```

<210> 918

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

<400> 918

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taccctggaa gtgctcagta catcatatga accagagtgc tggccaggaa tgagaccacg 60
ctttgcctgt tggtcaccgc atctccaggg aactcagagg catctccagg aaacacctga 120
atatgtgagc tggttcctta caacagtcca atgaagcana ggngtgagca gatccttttt 180
acagctaang aaactgaggc acaaagaggt tgacagcaca cttgccccaa agcgcagatc 240
tgaaatccag gcagcgctca ctccacttgg catctgctgc agtgggtcaa aggctgggtc 300
tggagtcatc tgaaaggcct tttcacttnt tgtgtctggg anggcaattg gcccttgcca 360
gctnnggactt ttccacgtgg ctccatgggt gcctcacaac atggncctgg gtcccaagaa 420
gacgagatag aacattttta g 441
```

<210> 919

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(325)

<223> n = A,T,C or G

<400> 919

```
tctcccttgc nngccttgag gaaggagctg ccatgtttgga ggctacccta tggagaagcc 60
catgtagcaa ggacataagg gtggctgggtg gccagacag aaaggagctg aggctctcgg 120
cccaacagcc tgaaaagaac tgaagttaca cccacaatga catgactttg gaagcagatc 180
cctgagtctt cagatgagac ctccagaactg gccaacacct tgattgaagc cctaatagaga 240
gaccctgaag tagagggcc tccctaagcca tgccctggatc cgtgactcat aggaactgtg 300
aggtaataaaa tgtgtgctgg ttgct 325
```

<210> 920

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(508)

<223> n = A,T,C or G

<400> 920

```
ccaatttgag ccagggaact gaagcagtat tcaagagcct tcttggtaca ctggcacctt 60
```

ctgggaagat	taagcatctg	tcatacctac	ctcccccttca	gaggtttggc	accaattggg	120
acaatgaatg	agaaaagggg	agagatggat	atgccgaggt	acattcatgg	caaatgaaga	180
ttcaataaacc	tcacatcagt	gagcattaac	attgatttca	caggggggtg	tactcagaaa	240
ggtgggcagc	aatgcagagt	catcatgaag	tacctagcag	taaaactgta	ctgcactcaa	300
agaaccaaca	tactgcagc	cagtacccca	ttgcattaca	agcagtgact	gcatttcagc	360
aaaataacaa	catacatcat	attcaattaa	gtgtggnaaa	tttgtatttt	tatttggggt	420
actgaattta	aatctcatct	gcaaaacaat	tttaatggnt	ntttngaaag	gaaggggntt	480
atataaagtt	tatgttggaa	atcctaaa				508

<210> 921

<211> 370

<212> DNA

<213> Homo sapiens

<400> 921

ccagaaaacc	tcccctgcc	actcagcctg	atagaatgat	ggcttctact	cacatcatcc	60
tggacatcaa	ggtcgcagcc	agccttcagc	aagatctgga	ccacaggaag	atggccctta	120
ttggcagcaa	gatgcagggg	agtccggcca	tgctgtgaat	gcaaaatgaa	caatgatttc	180
ggaacaagtc	ctcaatgcta	ctcccttggg	agacagaggg	cctagagcaa	ggtttgcaca	240
ggggctttcg	gatgatcact	ccctcctgcc	cctttggatt	ggcaggagat	tcttatgggt	300
taaccaaaaat	tcaagtttgt	ctcagttaac	cctggctatt	gtcattgcaa	tcaatgaaca	360
cgatatgttc						370

<210> 922

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(515)

<223> n = A,T,C or G

<400> 922

ctacagagaa	taaacatatg	tagtttacga	ctatagccac	attatatctc	tttggaaacat	60
cactggccaa	gacaatgaag	gaatagaaaa	gacttacggg	atagacaatt	aatctagctg	120
aaaacacagt	cagtctgagc	aaggtttctt	gctcctaaaa	ttagaaaaga	actcctggac	180
tgggtgagga	gggtcaaagg	cataacgtga	gagctaagac	gcaggttcat	tcttgtgacc	240
tgcatgaccc	ttaactctct	agccttatcc	ctggagagga	gatggcggtt	tccccagata	300
aggttttggg	atcagagggg	aagggtacttg	tgccctcctgt	gccaggcaga	gttctgatga	360
ggcagcaaga	ttccagaaga	gaggactgta	tggtcatccc	agcaaaccag	gccttaacag	420
cgtcattaca	tttcccacgc	tgcangggaa	ggaaattttt	acattncna	aaggggcccc	480
aacntancag	agcacctnct	aaatttatag	aaggga			515

<210> 923

<211> 273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(273)

<223> n = A,T,C or G

<400> 923

tattctagga	cangaagaag	caggaagagc	aaagaggaaa	aatgaaaaga	agcaatgcct	60
gtcaagatcc	acaaactttc	tcagaaatct	ccaacagact	tctacatatg	tctcattgac	120
caaaaatatc	tcatatgttc	atccctagct	gctcatggcc	ctttgaataa	aaccaaggat	180
ctattgacaa	agactgggag	agtagatatt	tgcaatatta	gcagtgtcta	ccacaccaac	240
ttccagtcac	tcaactaagg	tcttttctgc	cat			273

<210> 924

<211> 521

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

<400> 924
ggtgcagatc tgcgtagtga aactacccac agcaaggatg tatgcctgtg aggtggcaca 60
gaactgatgg atcagacttg gccttcaacc tcctgttatc ctgatgaaat tgcaagctcc 120
aaacaacaga gacacaacat tgaccaacag taagatggct tgaagaaata tttctttcag 180
gacaaactct gtgcattcca tgagggtgga tggatggact tatgaggaca aagccactga 240
catcatgagc aggaaacaat gcttctctca agctgcagct tcgaaatgtc aaacagcctc 300
ttccttgggg gacaactgct ttctgactca aaggaagacc ttgctctcca gcatcagggg 360
ctgtcagaaa ctttgctttt gagtaagtac aacatcacac tgcctggagg atctaggtcc 420
acctttacac agaagcacag agctncncaa gaaaaggggt ttnnnggaag ggaaaatttc 480
aaattnnggtt ggacttttat ggggtntntaa ggacaaaagg a 521

<210> 925
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 925
atacaagtgg atcctctaag aaacttggga gccttgtggg ctggtggaga actctcaaga 60
tggcaccagc ctgtctatgg tctatgtggg aatcacccgc atccttgcca ttccatgcag 120
tgtaccatgt gatgggctgc attacttagt gacaatgcta ccttctcact ccttgacag 180
aggagagaca gacacctgct tgctccaggg cctgcctgag ctcaggctct gccacaggg 240
tgaagagggt ggagaatggt tctgccaaat gccacaacg cctcctcaag gacgattcat 300
ggaggctggt agcctgtgct caacttccct tggcaaaact gcaacaaagg catggcagca 360
gtttgatggt cacagagagg agtgaatata aagcatggct ttaggcagac ttcttttaaa 420
catgcacagg ctctgctgn tgncttatgc cttttggngg aatnggaaat ttcnaaaggg 480
gnggtnnttc cctgccctgt acaaagttta tt 512

<210> 926
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 926
atztatagta aaatgattac attgacaagc tgtttctacat ccaccctccc cgttttccagc 60
gtggagccct gaggcacgt tcaaaaaagg acaaacagcc tgagaggcag ataaatggat 120
ggcctgggtgt aatttttaaat cacatgaatg atgttgcttc tctctcttcc cctggagaac 180
ctctttccat gtctgactga cgataatgtg tgaaattttt cttacttagc agggagaatt 240
agtttgtttt agtatccaga acacagcact gtatttggct actagctaag tccaattttt 300
aatatattac catgcataaa catggnggga ggtcaaaaag ggccncnctt tgggcaagat 360
ttttataaaa taagctgagg ctcaattcat tttttctcaa acgctggagg cccctgccct 420
tgccaagccc aagatccttt 440

<210> 927
<211> 530
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 927

gatacaagca	ccttgaagac	agagattata	tcttggaccc	ctacagcatt	tatcacagtt	60
ctctggatac	taaggtgtct	taatggaatg	tggatgatgg	ggtgtgtgaa	gtgcattcta	120
cctgcgtgga	gacatctcta	atggctgcag	atgaagtcct	gcctccctgg	ctattctcca	180
ccactgtaga	gaatggccac	agttcacctg	gaatgtcttt	tttctaactg	gctagtctca	240
tagaaaggca	tttactgctc	acacagactg	ctcctcctgg	ctagcactgt	ggacccttca	300
ttcacaccag	tgattgcggg	ggggtggtga	cttctctgtc	ttaccacta	ggtgggttct	360
gtctgcacac	aggagagctg	aatcgccag	aaccncaaaa	aatcccagcc	tcaccaagag	420
atgacacgtg	acctggnggg	gnctcaccca	aggcataccc	ctttncnaagt	tagnaaaana	480
aaaaaccntg	gtcacagggg	tttatagttg	ggtatggggc	gctcaciaaac		530

<210> 928

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 928

gtgttccggc	tcctgagagg	atgctgaatg	tgcaagacca	caagtgcaag	gaacgccatg	60
ctcaatcact	ctgcaaata	cattacaacc	ggaataaatg	caaaggcagc	aggtctcttt	120
aggacataca	cctacacaca	gtgccaaact	catcctgtgg	ccaacagatg	tacagagaat	180
cccagagtgc	tttattaagg	atgggtgact	gttcatagtt	ggcatagttg	gtttcctaaa	240
cctgggaagc	tcagcaaacc	agtttttaca	aaacatcaat	agatgatgat	ggtgggtgatg	300
atcttgataa	cagtgttaat	gattatatca	gaaactagta	cttctgaggg	tttacaaggt	360
ggcaggcact	gaggcaacat	cttcctatac	cttctctcat	gtgattcttc	caagcatccc	420
atcagaagct	ggccaanggg	ggtcatgtct	gtnatcncac	acntttggag	gccaaaacaa	480
aaggatcgnt	tgaagtcagg	agtttganac	cagcctggca	acacagaata		530

<210> 929

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(518)

<223> n = A,T,C or G

<400> 929

actggagata	tctaagtttt	cataagagat	catcagaaga	aaatgaagat	ccaggctctc	60
tttcagctga	gaaaacgcat	ccacaaaatt	ccaaagaata	cctggaagag	gaaaagagac	120
acaaagacag	atacacaagg	agaccatgat	gaggcagaag	caagagatca	cagtgatgct	180
tctatgagcc	aagaaaatct	aagaactgcc	agccatcacc	agaagctaaa	agagaagcct	240
gaaacaaaatt	ctgcctcaga	gcctccagga	ggaatcatcc	cgggagacat	cttgatatca	300
gatttccagc	ctccaaaact	gtgaggcaac	aaataatctg	tcatttttaag	ccaccagttt	360
gtagtcactt	gttccagcag	ccctaggaag	ctaacacaca	gtcagcctcc	atTTTTTgat	420
gnntgaccac	acacanggtt	gaaccctncc	gnntnccggt	tcttcttatt	ttgaccnggg	480
aaagtngata	accatgtggn	ggggctccct	ccttgggg			518

<210> 930

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(495)

<223> n = A,T,C or G

<400> 930

atcgcttctt	gacctgcaca	actttctgat	ttgatgagtt	caacagaaac	caactcaagg	60
tagcagatcc	agaaatgatt	agaacactta	ggataatgaa	ttattacatt	ttcaaggcac	120
atcagtgaat	gttatgaaga	gggagaagaa	taaagacatt	gttgaactta	gactttgaca	180
agatgcatat	tggatatcta	aatagagata	tcaagaaatg	aagatatgca	tttccagttc	240
cagagagaaa	ttcacactgg	aaatataaat	ttaggaattt	taaagttagt	ggtcacattt	300
aaagctgcag	aatacaaaaga	gatcacctgt	gtgagagaaac	tgagtcctga	aacatacccg	360
tgtttaaaga	tctggggaggn	gcagaggaat	ttcaaaggag	gctgagaagg	ancancngtg	420
aggnggggtga	aaaccagata	gcnaaagaaa	gcngaatttg	gactgacttc	ctttgnaaaa	480
attaaaaaatg	taagg					495

<210> 931

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(410)

<223> n = A,T,C or G

<400> 931

cagactgagg	acctggatat	ctttgctggt	tcctgaaact	ctgcagacag	tcctaaggga	60
tccagnnggt	cctctgatgg	nccccaatgc	tggaggtcac	ccatatagnt	ctgaaaagtt	120
gtcacaaaana	atggccgttt	ntggaggatg	cncaggaaaac	ttttcatttg	tcataaaaaa	180
ggctnttggg	tttgcaaaaga	cttgacagaag	gaagaagttt	aaattnttga	gccctcaaaa	240
cagattttta	gaaaagtgtc	ttccaacctt	tgtttngtcc	aaataaaagga	agattnngac	300
ccncnaaaaa	aatgtanaaa	aattaanant	aaaaattnng	gggggngggg	ggggggcctt	360
ttttttgtgn	ntntntnccc	gngngttttt	ttttttaaag	gggggggggg		410

<210> 932

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(510)

<223> n = A,T,C or G

<400> 932

cctatggaag	taattatgga	ttaactttgc	ctgatatttc	caatgaattc	tccatagcat	60
caagcacaaa	tgatgatctc	ctaggacagt	ggcagcttct	gagaatgcac	aggaaaagtga	120
ccaggggaaag	aatgattcca	tctccaggaa	tccttggtga	tcttcagagc	ccagacagga	180
ccctgctggg	ccatggtaac	tgagaaactg	agaagcagat	acagtgggtc	ctatgttggc	240
aacctcagct	gaagaggaac	aactctctct	ataatcaagg	acttctgaaa	ccagaaatta	300
ccagcgtggg	gagagaacat	taaaggcaga	ggtgtctctt	ataagcacaa	cgtgtgacca	360
ggtaataactg	tctggattag	cagctgtaca	gcctaactaa	gccctggagc	tacaattatc	420
tggtcgcat	aaactgaaat	cacctgaaaa	acttncactg	aacaaaccct	ttggaaagt	480
ttnaatggcn	cnttcacccc	caaaagggaa				510

<210> 933

<211> 631

<212> DNA

<213> Homo sapiens


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<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 933
cttcgcgggg tggagggana aacttccttn cggncctttcc agtgggggat cgaacgggta 60
tcgaataagc ttttgatgaa gcccgccaca tgggantcgg ccccttgaac caaagaatgg 120
aattgcaccg caaagtcttc ccggcccgtt ttgggggtggg agangnctat tccgggctat 180
gaactggggc acaacangac aaatcggctt gcttctgatg cccgcccgtt gttcccgggc 240
ttgtcaacgc aaagggccgc cccgggttct tttttgtcaa agaaccgaa ccttgtcccg 300
gttgcccctt gaaatggaaa cttgcaagga acgaaggcaa gccgcccggc ttatcngtgg 360
gcttgggcca cngaacgggg gccgttttnc ttgcgccanc ttgttgccct cgacgggttg 420
tccaacttgg aaagccgggg aaaaggggaa cttggggcctt gnntatttgg ggccgaaann 480
ngcccnnggg gcaaggaatt ctttcttggt cattctttaa cccttggctt ncttggnccg 540
aagaaaaagn aatcccaatn caatnggctt gaanggccaa naggcngggg ggcttggant 600
aaccctttna nnaccgggtt aaaactcgtg g 631

<210> 934
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(503)
<223> n = A,T,C or G

<400> 934
ctgagggtcat ttgactgaag gccacaaaaa cagttgtctc aagtgtgaaa agagatcact 60
atattttgta caaatgaaga aactgagtta aagaaagatt aaatgtcctg aacgatacca 120
ataactaatg actgatgggg tggtgggttc tttcttattg catgaatcct taaaaacaga 180
aaattgttcc tgggcgtagt cacagatcga tgtgaagata gaagacagca ccagaatcaa 240
tgaactctgc aaagatcctg gactccttct cctgctgcat aataaaggaa gtgaaattct 300
gcttcatcga tgaataacag gattttatat aaaactttga atgacatagg agggacaatt 360
tgcatagaac aacaagtcct caaactggcc acaagctgtc tgcactgttn ttttgaggat 420
ttccaaaatg ccanaangng cactaacagc tntagatact tgagtcnaca anaaacctnt 480
gnnctttttt tttttaaggg gtt 503

<210> 935
<211> 155
<212> DNA
<213> Homo sapiens

<400> 935
tggaccagag tgacctccca ctttcaagga ctctgatca ctttaccttg attgtctaca 60
agggaatgat ttacaaatcc tacactatga ccactcctcaa gaggcctcat taagaaaagc 120
ttctcctgta ttaaatccaa agctgttttc attgt 155

<210> 936
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(535)
<223> n = A,T,C or G

<400> 936
gtttttgtca agcaggaaaag gatttgcgtt tggatatcact gtgtatggaa caaattgaca 60
tcccagcagg attcctcctg gtgggggcca agtctcccaa tctgcctgaa cacatcctag 120
tttgtgctgt ggacaagcga tttctaccag atgatcatgg aaaaaatgca cttttagggt 180

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tttctggaaa	ttgtatcggc	tgtggagaaa	gaggatttcg	atattttcacg	gaattttcca	240
accacattaa	cttgaagctc	accactcagc	caaagaagca	gaagcactta	aagtactacc	300
tagtcagaag	ctcccagggc	gtactgtcta	aaggacctct	tatctgctgg	aaagaatgta	360
gaagccgaca	atcctctgct	tcttgccact	ctattaagcc	aagctcttca	gtgtcgtcaa	420
ctgtgacccc	agaaaatggg	acaactaatg	gntacnaatc	aggantttctn	ttaaagggac	480
ccccncttt	gcccnnggnn	gggnngttaa	aaaaacaaat	ttgttggggg	gggtt	535

<210> 937

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(488)

<223> n = A,T,C or G

<400> 937

gcttttggtt	ttggaccatg	agaatggctt	acatattcaa	aaggttggat	ttgggaagca	60
atgctaagca	gtggaatgga	catcgacata	gagagatcag	ctccacactt	atactctgcc	120
actcaacttc	cccatgtgac	ttgaggatca	ctctaactcc	aaaacatagc	aagctcgagg	180
aacatcaggg	ttcatgcaaa	gtattccaag	gagccccctg	aagcaacaga	atggattgct	240
cttctatggt	ggaatggcac	cctggatgat	taaaaccgta	gcagcaaaca	aaacctccat	300
caagtaagaa	ttcagagtgt	gagatatcac	gcacagccac	gcgtggatct	ttatatacgt	360
gtcaatgtgt	ttgattgtat	ttttgctttc	aaagtatgta	ttgagcattt	cttctaggtc	420
ctcaagtaac	atcttttttt	aaaaaaaaata	aatgcttaag	ggaattgnnt	tatattaaac	480
tcgctttc						488

<210> 938

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(482)

<223> n = A,T,C or G

<400> 938

ggccattga	tgaccacaaa	aaggaatgtc	cagtgcagct	gcgggtccac	ttgagccctc	60
caagcaagca	ctctcaagcc	cgctctgtct	gggagctctg	tgttttcaga	gcctgttggt	120
gcagcgatgc	ctggaatcct	tgacacctgc	acaccagctt	cctgggcatt	tccacacctt	180
ccccctcccc	acctcctgca	tctcccattt	gcattctgaaa	tgacagctgt	ctggggcccta	240
tagaggaaa	ccaaatggac	aggacatctc	cttgtttggt	ctccctcccc	tgagtcaaac	300
cgaatctgaa	gctcctctgt	gcgacgcctt	tgttgcctcc	tcattatggt	taaatgagcc	360
tcattctgcag	gaggattttt	ttttaataaa	ataaaataaa	accaccacaa	aaaaaaaaagg	420
ccagnngggc	caattnagct	tggaacttaac	caggcngaan	tttttnaaaa	aggggggggg	480
cc						482

<210> 939

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(525)

<223> n = A,T,C or G

<400> 939

caggaagccc	tgaagatgcy	gcaagctggt	ctctactttc	ttgctgaatg	agcaaagtgt	60
ctaaagagaa	gtaacagaag	aaaaagatgg	ttgtgccatt	gaccaggtgc	cgttctcggt	120
gcccattcat	ttcctgcccc	ccctgcacac	atcctgcccc	taggaagcct	gctcctgaaa	180

caagtctcta	cccgcaagaa	gggtctcatg	agggtgccagc	ctcacgatct	tggacttccc	240
agtctccaga	actgcaaccc	ttcttagcta	aggctatgga	ttggaacacc	tacaagtgg	300
ttttccacgt	ggacctgggc	tttctcaaac	atggtgtctg	tggtccaaag	atcagaaggg	360
ggtgactgaa	gtagaagcga	agtcagcaac	ttatcttcag	gcataactac	ttttcctgta	420
tcctgaaccc	tcgagagggg	atctcttgaa	gaaaagaaaa	gaaaaaaatt	cccccttntt	480
ccctgggang	nggaanaggg	tgggaaaaaa	aaaagggtt	taaaa		525

<210> 940

<211> 160

<212> DNA

<213> Homo sapiens

<400> 940

gacatcaaac	ttcctgggtcc	tcatgccttt	agcctcagac	tgaatgacac	caccagcttt	60
cctgtcttct	cagcttatgg	acagcaccgt	cgtgggactc	ctcagcctcc	agaattgtgt	120
aagaaaagtt	ctcataataa	acctctgctg	gtatctcttt			160

<210> 941

<211> 122

<212> DNA

<213> Homo sapiens

<400> 941

ggaaactgag	accacatggt	gaagaatctg	tttggcgaaa	gggctggaag	attccggggc	60
tgtgcctgca	atgagggata	tacaacagtt	ctccctatgc	ctggaacaga	gaacctcttc	120
tc						122

<210> 942

<211> 304

<212> DNA

<213> Homo sapiens

<400> 942

gatatgacat	cttaggaaga	agggactggg	ggaaagaaag	cactttctgc	ttctgtggat	60
ataaacacac	agtgttttat	tccctagtgc	aacaaaaccc	caagatcaac	agacaagagc	120
tgaaaaccct	ttcccaccag	acacagtgc	atctaaatgt	tctctcaaaa	gatagcatct	180
cataaacaat	ttcaacaaaa	ggatgtcagc	ttttacttta	tgtgcatgca	caaaatcact	240
tttcaggaaa	aaaaatgacc	attaccgaat	ccatcataaa	attaattaca	tttagttgat	300
cacg						304

<210> 943

<211> 155

<212> DNA

<213> Homo sapiens

<400> 943

atggcagaga	tggcaagcac	aaagaaatga	gattcacgct	attccatttg	catggatgaa	60
aatacagaca	ctttctaaagt	gaagtagaaa	ttctctgaca	attaacaaga	agagtttctg	120
tgtccgagat	atctaataaa	tgttatttgc	tcaag			155

<210> 944

<211> 285

<212> DNA

<213> Homo sapiens

<400> 944

gatcccagtg	acatttttact	gcaacaaaac	caaactgtat	gaagttaagc	cctgtctcca	60
ggaggcatga	aaccacctcc	acttctcgtg	atgctggctt	cttctcaaaa	caatctcaaa	120
gacagctccc	cggatatattt	gaaaattcag	cttctgtttt	tctgagaaaa	atatattaat	180
aacttctgaa	ttctctgaca	ttgaataaat	tgaacaagag	tgtagctttt	catctactgg	240
gaaatattca	aagctaagtc	tactaaattg	aataaaaactt	ttaat		285

<210> 945

<211> 442
<212> DNA
<213> Homo sapiens

<400> 945
ctccattgct gactggcttt aatggaaaga gtatttttgg tcctgttttt gaggtttggg 60
acagtaacaa gaaaagaagc aattttttaca tttaaattggg atgagaagtt caacacaaat 120
atctgtagca acaaggaaac atctcgaaaa attcttatta aaattttatac ttaccgttga 180
aactacagac atatgacaac tcaaaaaataa acccaatttg gacgtggaat gtttctttca 240
aggggtcaagc atcctgttct gggttcatttt gatgaagcct atctacataa aattggaaga 300
ggcttgaaaga tcttttggtg tcagtttctt catgtttaca gtagtaggag gctacagata 360
tctctaaaat acttctgttc taaaagactc tgcaatttta aatggggata tattttatcc 420
aaacatggta atgcctttgc ca 442

<210> 946
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 946
tggggggggg aaggccttta ccccttggc ccattttaan agggttccaa gggaaaacct 60
tggggangggg taattaantt ttaaagtttt cttttaacca ttgggaaaat tgggaccaag 120
gggaaaaagg gaaaaaancc aaaattggga aaaaattttg ggaaaagggg gaaaaagggg 180
gaaaaggaat gggaaaaccg gcctttaaag ggtgggtcca angggcccct cttggaagcc 240
ccccaaagcc taaaaggccc cantccanta atccccctt ggtggaatcc ttggcaccct 300
taacaccatt cccaaggaat ggggcccttg gaaagttaa gtggaaaaga atcccccaa 360
aaaagaaagt ggaaaaaaat aagncnttt aaacctggat ngggcatttc ccnccatttt 420
gggggaattt ggtttttttg ccctcacct taactggaat cnaatggtan cttttgaaa 480
atctcccgca cccttaaaaa aangttcttt ttgttaattt cttccccacc ctttgaanaa 540
tgtacntttt gggaanatcc accctntgcc cggcaaaaaca attggntntt taactccacc 600
gcctntccca aaaccttata agaagctaat gatantcccc cccccctttg ntggacctcc 660
ttttttggga 670

<210> 947
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 947
ctttaaaact tctgaactta aaggaaacta ccaagaaaaa ctaccaagaa aaagaagttg 60
aagatgttga agttgaagat gacctttctc ttcacaaggt cttcataaag aaataataag 120
tctaataaat ttaacgatgt gtgatcatat tctaaaatga aataacagtt ttagattttt 180
gaatgaaata ggtaaaatgg agcaaatac tttagagttc tgcattctga agaacacaac 240
caatctcctt acctgnggng natcaaagat aatattcctc aacngtatta aaccaattta 300
ttgccaggct ctgtc 315

<210> 948
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1) ... (495)

<223> n = A,T,C or G

<400> 948

```
ctctcaaccc gtctccctc ttccccatta tggactgaag gtttctgtcc ttccaaagtt 60
cacaagatgg aaattttaac cccattgtga tgacattaga agataacgag atgatgatca 120
tactgtaaaa gccattcaa nganggtnaa aagnagcnac cctnnacncc ccaggaagan 180
cnnctgggnac natcatcaac acagaagatg acttctgtgg ccaaattgtgt gggagttttt 240
caccactcac caagcagcaa gacaccaagc tgggtgtcct ccaattcact gtgacactgt 300
ctacccggag atctgtcata tcgcacaggg tgaanactca attnccaaac tccccccac 360
cngagcaaatt cccacctntg ggnattttng ccccnctttt aaaatgggtt tttaaanccc 420
attnggggtt ggtaatttg tggggccnct tccnaattta aggaaaccct ttctgggttt 480
tttaaagggg gggggg 495
```

<210> 949

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (582)

<223> n = A,T,C or G

<400> 949

```
naactgagct anggcnaagg gancctgnta cantgggtgga ttgctccgaa caggagcngc 60
ctgttcgggc cgagctccgg ttccctccga gagcggnttg caaatcttc ctaatgtggg 120
agactggtgc accaggccaa gtggncccca cttncctttt ttcaaggact ggtgnaaacc 180
aatgggaat ttgccccga aaagtgggct cccggggggc ccttgagaag ggatcaagct 240
gaggaagctg caaaagcttn gttaacaagg aaggggcacc aggccccgtg gttgtgggcc 300
ggaaacaaaa gccaacctgc tttggtcntc ttggcaanaa attggaattg ccnnggntt 360
cnaaaaaaat ccgnaaaccc caccttgggg gggcctttt taaaaaaaaa ataaaaaacc 420
ccaaaccggc ntttgccent ntaaaaaac ccccaacctt ttggcgnaaa aaaaaagga 480
aattttgggg ttgtnaaaaa tttttntttt tggnaaanct tttcnngggg naanaaancc 540
cttttgaaaa aaaancaann tttttgggnc tttggcccaa aa 582
```

<210> 950

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (500)

<223> n = A,T,C or G

<400> 950

```
aacaaagcat caggtcaagt acccaaggcc acaaggtgaa gaagttggag tcaccaggtt 60
cattctgact gtaaaacctc accacatcac tagcaggaga agatggagaa gcatcatnat 120
ntgacncntg atgaancaa aaattggntc ttttnaaaan ngcngncccc anaatcttca 180
caagccatcc tgaccatctt gcaagagtgt caggagattt cactgggttt cttgtgatta 240
tattcagaga ttcttgtgat gacattgggtg gggacttcag ttggaatcac tgntattctt 300
atccactttc cctggatggg ccctcagttt cttanccaag gtanaancca anaaggcang 360
ggttacagaa taaaagtgtc ntgggaatgc anaaagatat nctactctgc ctgaaggana 420
anaaggcttc tcactnttaa ttgggcnttt tancccaaac agncccttgg gaggngggaa 480
naaaacctga gggggcattt 500
```

<210> 951

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(503)
 <223> n = A,T,C or G

<400> 951
 aggcagcaac atccacttgg tgggtggtgaa ggatgattga gataacttga ctggaaaagct 60
 tctagccaag gctgacacat aaggaagatt ttaggatgac tttgttgaat ggatagagaa 120
 ggaggaagag catggtatat ggggtctctg ttaccctgaa tgggtgaattt cagctgatgt 180
 tgtaaccaga tgccaccttc tctttttcat gattagataa cacatagatt acccacctac 240
 gggatggaag ctgttagaag ctggcctttc ggagagcaag tggggaggca ggtgatggtg 300
 tttcaacgcc ttgctctaag cctctttatc aaagtggcta catatcccac ccaaattgcc 360
 tttgaaactt ggcaagttca cttgacctga gaagttaagt gctgctggaa cccagctga 420
 acacattgtc ctgggaanan aaaaacnntt ngcncctntn tccttccttg catagaaagg 480
 gttaaatttgn ttacagcttt ccc 503

<210> 952
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(481)
 <223> n = A,T,C or G

<400> 952
 agttaaaaaat ctgcggtttt taattgcacc tgaggatgcc cccctgctct gttcctagct 60
 ggtgttcgac aggcggaacg gaaggattga agagctgacc acaatacctc ccaagccact 120
 gtgcttctta cagcatggcg ccaatacccg tccctttgag aagtggagtc tttgttccct 180
 tcccttgagt tttggcagga ctctgactat gtcagaggta aatttatgtg acttccgaga 240
 ctgggtcatg aaagacaaca ccggttctgc ccagttcctt aaaatgaagg aaggctggca 300
 ccatggtgtg aggaagccga aaccacacag aggtcgccgt ggatgctcca ccaactgccc 360
 actgaggcta accnccaac atgggcatga aaacatnttt aaaanaantn ttggccccac 420
 cccccgaat ggnagaaaaa ggtttcccaa aaaaaaccac cccncccccc gggactgggg 480
 g 481

<210> 953
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

<400> 953
 atattggctc acttactgga tcaaggcagc tacattacaa aaaagaaaat aatttggaca 60
 gaatcaagaa gtctattata atgtaggtat ttgaaatcta cctccttgct gaacttggag 120
 attgatctac agaagaaaaa tcttagcatc taaaggctctg ttttcaggaa aataaaaaatg 180
 tctatcaatc taccataaac ctgtctgggt tatcaacaac catcaatgag aagaccagg 240
 ggaaaattta gggacagaga gcactgctca gacttcatgt ggaaatggaa agctgagcag 300
 tcgcctgggt tgaaagaaca gaatgttctt cactgcactg tcattcagct tccaggaatg 360
 ctgcatttca gtgggtatgc ctgtcatcca gccgctaatt cancttgaca aggccgaac 420
 ccaaatacatn ttgaaanccc aanntttcct ttacggngnc cttntgaaac aaaatacttt 480
 ccaaaaaaac anacggtttg gtctgga 507

<210> 954
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (487)
 <223> n = A,T,C or G

<400> 954
 cttccaagca agctaagcaa tgtacgttct ggcaaacgga caccaacatc cacgctgcat 60
 taatcatcgg tcccacaaaa taacccaaac aagacccaat gactgactga gagaaagcct 120
 caagtctgag atgagacgtc tgccctctac agtctgttgt gcccatactt tctcctacaa 180
 caaagcacac ccgtcactag aaggcaggat acactgtact tcttaagatg tgactcagag 240
 aattaacaag gattcttcct gcaagggtcaa agatgataaa tatgaatgct aatgtcctgc 300
 actcatcagt tactcagtga aagagactac acgtagggtca taaagttcct acttgccata 360
 agattaaaca atggggtact ggcttttctta tttactgaac atcanaatga aagtcattgt 420
 atgggacctgt ntganaaata nnntganagg gtgggttccc aaaaaanccc aaaaaaaaaa 480
 aggggggc 487

<210> 955
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 955
 gtgtgcaaaa tctcctccct gggagccaag tggccccctc agccagcaac agtgacaaga 60
 agagatggat aaagtgtgat caaatgtctg ctgaccttag tgaggggaga cagagccaca 120
 taattgtcta cagaaaggat tatccattcc gggtcattgta ctcaaagtct tagaaaattc 180
 tgaacattct tcttgccga gggaaagtac tacgcgatga acagaactat tttggtgtga 240
 aatccacctg attttaaatc ctggctttac cataaacaca ttcgctctgt gactttgagt 300
 aaattacttg gcttttct 318

<210> 956
 <211> 515
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (515)
 <223> n = A,T,C or G

<400> 956
 gtttttgtgt ggacataagt tttcaactca tttggataaa gaccaaggag agcgattgct 60
 ggatcatatg cttcctaccc accaatattg agaaggaagt aaaatggaaa agccaagaaa 120
 gaatgggtcga atcaggacac catatgtcca ttcttggtt ctactccttt ttataaacac 180
 aagagtggaa aggtttggct ttattcgaca cctcaaagag gagatgcagg aggatgagca 240
 gtctgcagt caggaggttg gagacaaaga gaaggtgatg tcacagaaac ctacgggcac 300
 atgggtccctt ctccaagggtg agaaaacgga ggctcacaga agcataagaa catcatctag 360
 acacgcacct ggtagtggtc aaagccaagg ccagaacang ctaatangtg gnangacttg 420
 ncntttctca aaaaaaaatt ttggcctttg gcctttcnan atgatgctgg aaccaagtta 480
 anactttggg aaaccattgg ggaaggcatg actgt 515

<210> 957
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (268)
 <223> n = A,T,C or G

<400> 957
 cataactgac gatngagaag cantacttca tcatcttttg agaatttacc nacggnccct 60
 gngnnccccga tccccgnnac actttctnat ggattttgtn acnntttntt aaagggggaa 120
 aaagccnttt gacctgaagg gcttttaggn agaaaaaaca caaccccggc cctcttggtg 180

```
tgcagtccttt taacattcac gcngnaccgt gnaccccttg gggaacattc atctctatct 240
ttaaaaaaaaa tgcttttaag gtatcctc 268
```

```
<210> 958
<211> 426
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G
```

```
<400> 958
ctgcccacct ctctatggga tgagagactt gagaaattca atttaatcca attcagcaaa 60
cactgagtat ctgctatgtg ccagggtactg acagggtacca gaaataaaga gatcactgtc 120
ctcgagggtct ggtgagaaaag acgagcattt ggaagtgtct taacatcagc ataatgacct 180
gaacaagggtg gcacggagct gagaaagaag cgggtactttt atttcctcct tctgtacaga 240
gtatataaat atattatgaa cagtatacag aataaatgga ataaagtcaa tacctacttc 300
attgccatcc aggncaaaaa ctggagggttt ttccctatact tnanaagttc cccatgcac 360
cctttcacaa ttccctcagt ctccataaaa cgaactacaa tcctgaccgt ttgtaataat 420
cgcaac 426
```

```
<210> 959
<211> 491
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G
```

```
<400> 959
cananctnan ntgaacaaac caatgnncgc ttnacccaag nagaatggga annccnantt 60
tnaaattngg aaaactgggc cctttggttt ccttttcaaa angaggttta aagggcagaa 120
gagcccagaa ccactcccaa tggacaggct tttctaagtt tctcctttta aactttaaga 180
gggagtttct tgcactgaga agaactggga atgggccccat cggccccgga aacatctggg 240
aagaaaatccc gtctcattaa agactttcag caaccattgg cctcagggtta ctgtgaaagt 300
gaatgctatg tgccttgtaa ggctagggtga caaaaatggn catgcanttt ncacntggt 360
ttnttatgg gacgcncctc ttgggaatcc aaccctncca taaagcttac tggnggangg 420
aaaccccata nggaagcccc atggcgaggaa aggatcacca tgggggaggg taaccagct 480
taacccaagg g 491
```

```
<210> 960
<211> 519
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(519)
<223> n = A,T,C or G
```

```
<400> 960
ggnncgcctt ttctgntccn tancnaacan gacccctttt ccctttggcc tactttaacc 60
tcttggggan gangcaggaa acccccagcc aaggaaaagc tggccagggg agggaaagaa 120
gaaagccaag ggaaaagggc acccccagaa gaaagaaaag ggcttggggg tccccagct 180
ccaaaatggt ctcatatct tgtatttgaa tatccccaaa tttgaaaaat tcaaaatctg 240
aaacacttct gatcccaagc atttcaagac tcctaagagt taatacgaag taagaaagaa 300
gaagtggag ttaaagcagc tcgttccaag ttctgatttt gccattttcc tgtctgagt 360
ganctggagg tattttntgc caggaatgtg canggtttgg ttaccataaa ataaaacatt 420
gtgnccatgg gngggtttgg cttgcaccta tcaaccccat tcactttaag gtanttaaag 480
```


ccccagcca ttgccattaa ctggttcttc tttgggcct

519

<210> 961

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(448)

<223> n = A,T,C or G

<400> 961

cagatttnat	ganaacttac	tcactatcat	gagaacatgt	ntaagggaaa	ctgctcccat	60
gattcagtta	ccggcncatg	gttctgccc	tgacacgtgg	ggattntcat	gtgtctcacc	120
attcaagggtg	cgatttgggt	gangacacan	anccaaacca	tatnacttgc	taatgaggaa	180
actgagncag	anaggtntag	ngatgtaccc	aagtctgccc	ggncggngag	tgccagagcc	240
acgcttntag	aggaggacag	cccagccccg	catccccctg	gcttctccat	gtattatgtc	300
cctgcctccc	tgtttgctgn	tccactggaa	tggttnaaca	tgcaagcttt	ccttccagct	360
gtngngccag	nacatggctt	ncttcctnct	cccgaagcng	aatcgcgga	agccataggt	420
tcagaagatc	ccagctttct	ctgctttg				448

<210> 962

<211> 442

<212> DNA

<213> Homo sapiens

<400> 962

cagcagtatc	cactatggcc	accatctcca	tcttccacag	aataaggaaa	ataaaatata	60
tacgatagac	tttttcctga	agtcacccaa	ttactaaata	actgaggtgt	tttcatctgg	120
ataattcatg	cttcattatt	gggccactat	tctctgtctt	gggttctccc	ttggctcctg	180
tgacaaacat	ggggttcaga	tccagactcc	aggaggtagt	gatgcttcaa	cttttggttaa	240
catacaggag	aaaggccata	tgaggaccca	gcaagaagtt	ggctatacat	gggaagagag	300
aactcaccag	aaaccaacca	tgctggcacc	ttgatcgggg	gccttccaga	ctccagaaat	360
aagaaatcta	caggagtaag	tcagctaaga	attctgttac	tggttcgtag	aattcagctc	420
cctccctgtg	ggataatgga	ca				442

<210> 963

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(516)

<223> n = A,T,C or G

<400> 963

gcgctgggac	tccngnncta	ctncatntgg	gtgggtttng	ngggggaaaa	aaaggaggng	60
gaaaacacnc	cactggaaaa	ctggntccca	ttggggcctg	tcntgcttaa	aaaaaggccc	120
agagaggcag	tcttgacacc	ctagatccca	agatctccaa	ggatttggtg	gcatacccac	180
tccagcacac	agaagcatga	ggntcatgac	tctcctcttc	ctgacagctc	tgccaggagc	240
cctggctctgt	gcctatgatc	cagaggccgc	ctctgcccc	ggatcgggga	acccttgcca	300
tgaagcatca	agcaagcttn	aaaaggaaaa	tgcaaggcga	aanacccaag	ggttngccaa	360
gacaagggcc	ccaaaggcca	aggggaagcag	nagantccaa	ccctttnttg	ggnaaaaaag	420
ggccttatac	ggagncaaaa	aaagcttgtg	gggggggact	tcgggaaaaa	actaaggaaa	480
aagaatgcca	gtngaagatc	tagaaaagcg	tgggtg			516

<210> 964

<211> 531

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

<400> 964
 gcacagactt ttgccnngcc ntnnnancna acttaaggnt aanaacccan ggngggggcn 60
 ngtttnangg ccnntaaang ncccccttgc aggtgggaat ggccgcccgg gncttacttt 120
 actggctctc ggggtcccga gctttcttgg tgggtaaact tgagggaaaa ctggctggct 180
 ttaatgaatc taaccagaag ggaatgaata attggcttgt tgccccaagg gacaaccccc 240
 acccagtttc acaaagaaaa tcccgtgaaa gaagaagaag catcttcttc aagggtgaaa 300
 aacantaaac ccatgaaggc cccttttnc tttgggggttt taccggagaa tgaatgggtt 360
 tgtnggaaaa ggcantgaca aggtcaaggg gggtaccgtg ccaaanaacn tctgggaacn 420
 tcgactttacc ttgaaattga atgccaagcc tcangccatt gggttaaggc ntggaatgcc 480
 ccttgggggcc aagttattta agtantccca cattgactca agtttgaaaa a 531

<210> 965
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 965
 gaaaaaaaaag aagcctggaa atggatcacc caggactgac ttccaatgat gtcaaaatcc 60
 ttagcggttg atttatcacc ttatgggcac aagatgggtg ctgctccttt gaggcataaa 120
 gaaggaataa gcaacaaagg atcatgccta aaacatcact gcccaacagc gccacagccc 180
 cccaacaata aaccttccct taaatgcc 208

<210> 966
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 966
 gatctgagga tcatacccta atagcgacct aaagtgttca ccactctcat gccgaaaaaa 60
 atcatctctc cttggaatag aagatggaga cgatgtcatt ctcatatcaa cagaggaaaag 120
 tgaaggcgac aaggatcttt ccataacatg tactaattca tgttcttctc tttgctctaa 180
 agtatcactc tgttgagaat ttaaaaccag tggaggagggt ggtttaatgt cttcttcttg 240
 cttcacctcc actgtaatag caacaggatg gtgatccaac attacctgta gtgaactgggt 300
 accagcctgt gcctcctcat ccagggttg cctatnacc cccaaaaagc attataatat 360
 gttaatcaaa tgaagaaaaa gtgtatatat atagcataat tttaatttaa tgtcattaaa 420
 tgataaagct ttaaaactag 440

<210> 967
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 967
 ggctttccgc ccggggtgaa aacccaaatc aaggtggact gaaagaagaa naaagggttca 60
 agaatgaaca gggagtggcc gtncaaagg taccagacgc ttggagggaa gccatgggaa 120
 taaaaaattt tgggcgggccc attctgctgg tcccagaaat aaagaactac atttttccaa 180
 gcctcctttt gcagctggac cncgggcatg tgacccatt ttagggggca tggtaaaatg 240
 ggaggccctg tgtggcagct ttttgggaaa ctttcttttt gaagggggcc ctgttanggg 300

```

gnaacttngg aatttntttt tttggnccac ttttccccac ttccctcatt tttgaanggc 360
ctaaggcctt tttaatgcaa agctttgggg acccncaaaa gttggaggga cttgcncccc 420
cangggnatg ggcataaggg gtaaagccca nactggtgga cccagt 466

```

```

<210> 968
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

```

```

<400> 968
agagcagaga gcatcgatcc ggttcaagac caccctcatg aacacactca tggacgtcct 60
tcgccacagg ccaggatggg tggaagtga ggacgaaggg gaggaggatt tctactgggtg 120
tgacgtcagc tggctccggg agaacctcga ccacacctac atggatgaac atgtgcggat 180
cagtcacttc cggaaccact atgagctgac ccggaagaac tacatggtga agaacctgaa 240
gcggttccgg aagcagctgg agccgtgagg caggaaagct ggaggcagcc aagtgtgact 300
tcttccccaa aacctttgag atgcctttgc gaagtaccac cttgtttgta gaaggagttt 360
cgcaaaaacc caggaatcac ctggatcatg aagcctgaca caagaagctc tgacgaccag 420
aaagatgata ttnccggtgg agaactatg 449

```

```

<210> 969
<211> 459
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

```

```

<400> 969
atcacaaatg ccccaactgg gtaactgtca gaacccaaca ccatcaacgc tctgcagaaa 60
gtaagggggg gagtgaagat gaaaatggag caagaaagag aacttagcat gatgactgca 120
caccctcagt gaatggcagg cctaagggga gaaatttagg cctgtcccac ctcacagtga 180
aaaaactcaa tggttcctga gactcatact ccctcctctc cactgtgtag gaggtccca 240
ggacacatga cagtgaagag attgagggcag tcagagggaa acttcgtcta gccccaacac 300
aggcagagat ggtaggagct nccccttccc aacaaggctg aaaggctcga tggccnccct 360
gaagctcana atccacagat gatcaagtga aggatgacag aagcaatctg gattatgcaa 420
agaattgctc tgaaatatga aagatgattt taaagcctg 459

```

```

<210> 970
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

```

```

<400> 970
gttcttactt gaaactgatt taacatatta aggaaaggga tcaattgaaa gaatggtggg 60
tagctcacag atgactggga agtctgcttt ggatgcctgc tggaaacaatg gaggttgaga 120
aacagctagg accccagctg aaatcatgcc tgtctggtgg agcattaaca tgcttccaga 180
agtcaaaact atataaagga tatactccga gaagtattcc tcccttctgt acccactcca 240
tcttgttcct cctagccagc tcttgaagag gcggaaattc actctaaaca ggagaagcag 300
caatgagaac ttcaagaaga gatataagcc tcatccaana tcacctgcag aggaggacga 360
gggaaatttt atatgggaac aattatctga aaaatagaat gtcctcattt gtatggggcaa 420
ggctggggttg caaagaagtc c 441

```

<210> 971
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

```
<400> 971
atacgtgaaa ttccggtaat aagggacaaa atggttaagc tcttgatttg agactaagga 60
tggagatggg gccatttaga atgcccagat tcaagaggca agtagaaagg agagttgacg 120
aaggggtccc agcaggggaca gctggaaaag cagagctggg ggaacttgga gagctgtggc 180
ttcctgtggg tggtgaaggc gacgggtcatc ttgatcctgg ctgggcagtg ctggagcagc 240
ttccccacct ggggatctca ctggctatcc ttctcctcaa cttggatgtt tagntggcct 300
tttatttctt tggttattgg tgctattggc tttgggtggg gggttaattt cttatttttg 360
gacttttagc acataaagtt ggagataatg aatgggaaca gaatgggaaa gagtggatat 420
aatgatacac cacataccct cc 442
```

<210> 972
 <211> 440
 <212> DNA
 <213> Homo sapiens

```
<400> 972
agtttttcgaa gaactccagg aagtggctgc agagcaaagt aggatcctga tactgagctc 60
aagtgattca gaatgaaaag accttggcac agacctgtta aggaagctcc atataagggc 120
caccgggggt ggctgagtcga gaataccagc catgtggcat gtcgcatggg gcaagagctg 180
tgctgccccat gggagtccag agaaggagca cactaaggac caacaccagc atttgctcta 240
ggggaagcct gcagctatgt catgaggacc ctcaacagcc ctgtgcagag gactatgtgg 300
catgaaagat gcctttttgc cacaaaccag cccacttgc caagcatgtg aacaagctaa 360
actgaaagca gatcttcagc cccaatcaag ccttcagatg acagtaacct cagccaatat 420
actgactata acctcataaa 440
```

<210> 973
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

```
<400> 973
actcttttgt gttagggtttc ctgacaatga aagagatact agaatcaatg aagaactacc 60
atgatctcca cagcatcccc tcctcgtgga tgggggacaa cgagatgggt gctttcccag 120
agctcctgtg gaggactgtg aagatgggtg ctgcccctca atgtatcatc ttcacaaaca 180
tttccttggg gtctgcagag ctgaagacac tcattgggtg tcctttcttg gaatgcactt 240
ggagataatc cccatcaagc gcattttcat cgcaactgag tctagtgcag gcatcaaatt 300
ctgagcaacg ggactattaa ggcagccacc atttttnttc aggttcagng caatcaccaa 360
tatggtcact gaccaagtcc atcatcttga gtccctccaa cagctgcaag ttcctgttct 420
tgcttc 426
```

<210> 974
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(426)

<223> n = A,T,C or G

<400> 974

```
ctttcatagg tcaactacaat ccagtgccaa cacagcattg ggtggatccc atgagatttc 60
aaattccaca aagaaaaaat ctacttggtc ctcaacatta cttccaagat tgctggagtt 120
cactgtacca ataaaaaactc atggacaaga aaacagaaac tagaagtga ggacttcaat 180
atccaagaag atggtgtagc ctcaagatag aaaaagccca cacttctgaa acatcatttg 240
aaaggctgct gaagacctgc atcacatgag gttatcaaac tacagcccac agaccaaata 300
cagcccacca tctnttttga agggcagggt gccncatcat gaggatatca agacatccta 360
tggtgaggcc tgtgtgacag gaaactgagg cctcctgcc aagccctgc gaatgagcca 420
tcgagg 426
```

<210> 975

<211> 427

<212> DNA

<213> Homo sapiens

<400> 975

```
gtgcccagac actgcttcag gagcctgagg aacgcagtgg cttttctatc atgacctgac 60
ctgggcttct cagcatgaag acagagctgc attcctggga tttctaagaa gaaaagaaga 120
ttctgtcaag cctgtgttca atcaaaatat cctcccctac atgactgccc cccactccct 180
gccgcaccac ctttcttttt ctgttttttt attgctgtta atgtttaaca tgaaaataag 240
aatgatgtaa cccaggatcc agaagccaat acaaactcaa agcaatttga gtttttaact 300
ttgccctatt tcattggggg ggaaaccaag gtcattaagc atgactttgg caagcacatc 360
aagtgtgtca acacatctta aattacagct gtcaattagt tacctgaaga cttaatatgc 420
caagctc 427
```

<210> 976

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(439)

<223> n = A,T,C or G

<400> 976

```
gtggggtctt tcaactgggat ggctgtcaa ggagcaaacg agatcagatc agagagaaca 60
ggagaaagag ctctgtgcat gtggttgcgt gtacatgatt tacaaaatga aactcttcac 120
actgaacctg ggttcacatc tggagcaata tatgaaagaa aacagaaaac agccacagga 180
gcctggaggg acagaggagc tggctcgctt gtggaccact gtacacctga gaaaggtgac 240
tcttgaaagg aaaagaggtt gcttgacgta ccctttgaag ttcacgggca ctgcaaagaa 300
tgcatttttg tagcttgatc caccttnaaa tgccanatt catccacatc tgcagcttat 360
gtcacagggc tggcagctaa cagaaacat cagatctgcc tttgttttct tatcaaatca 420
tatgtgataa tgtcacaac 439
```

<210> 977

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 977

```
aaaagtttgc tgacgcctga tatggagcac tagaaagaaa ttatttttcc aagcatcaac 60
ccggaagtcc cagcataccg aggggtggcg acatcatttc ttcaatgaac ttagtattta 120
gaaagatatc ttcactccaa gcatcaagtc ttttctgtcc tgcaaaagtc ttaagtcaaa 180
ccagaatcca ctagtagagg gcacctttgg attcaacagt aaaaggagaa tctacaaaaa 240
cagctcatca aaaggatatt gaatgaagct atgataacct tagcagttac tgccattttg 300
```

gacccataaa	ctgacaatcc	tttaacaatt	accaggaggg	cagagcggaa	agaacattga	360
tgtcatcact	gagttgctgg	attaccttac	tctagaaaata	gccaaactctg	catgnttggg	420
tattttttta	aaaagtcttc	ccc				443

<210> 978
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 978						
acacagagtc	tcactctgtt	gcccaggctg	gggtacagtg	ctgcaacgtt	gtccaagatg	60
tctggaactc	ctggcctcaa	gcagtcctgc	agtcttagcc	tcccaaactct	cttggattat	120
aggagggagc	caccatgccc	agccctgcag	ttctttttta	tacatcgatg	gtgcttacat	180
ttggcactga	attgttctgc	cattatgggt	tgcataagag	agaagaaaaa	tctccttgaa	240
cacacgggta	aattgataaa	tttgaagaaga	tcataatggag	ttgcaagcac	tctattgata	300
actacttatt	tgngntttta	caactatctt	ccatgactnt	cctaccttct	ttttccaagt	360
caattttctta	aatgaccagg	acatcatata	ccataatccc	catatacaca	aataacaaat	420
aaacgttctt	tta					433

<210> 979
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n = A,T,C or G

<400> 979						
gaactatgcc	caggcagaaa	aaaagttact	gtaggtgatg	aagccagtgc	tcctgaacc	60
aaataaacc	tatcgacgtt	accgaactgc	cgggcaaac	cagagcaact	cacttacttg	120
gaaggtgaaa	aacacttcaa	catactccag	gcggaaccg	acacttaggg	gccaggcaga	180
tgaaacacca	tttgtttaaa	aagtctatta	tttcaactgc	tcttcaacaa	agggggaaaa	240
ctgagtgatt	aaacactgag	ataatgcccc	ccttactaaa	cctatgattc	actaataagc	300
aggggtcaatg	gccattcata	aacttttaag	aaaggaatta	ccgaagcccc	ttgcttnaca	360
aaattcccc	aagaaacaga	aagagc				386

<210> 980
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 980						
actgaaaggc	agagcaatga	gaagcagaac	tgcagagaca	aggattccag	gtgcttggaa	60
gtgaggggtg	agccagcccg	ggaaaagatt	cagccccaga	cggctgcacc	aggtggagca	120
aagatgtctt	ctcttttata	catgtcaact	agaagggtgac	aagagacagg	agcccatgat	180
cttaaagctc	cctgtgttac	ccagcacc	tgtaagattt	cctaatacatt	cttttataat	240
taaaaaaaag	atattttcat					260

<210> 981
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(426)

<223> n = A,T,C or G

<400> 981

```
ctttatacaa ttattcccaa atcttctaaa ctgacagtga gggagagtaa tttgaaagga 60
ctgctcaact caacgtcatt tgaagatttg caccacagct gcatttttcc aatttcctgg 120
catctattct gctctcctgg acttttcaaa aacaattgta agtggatgaa taaatataat 180
aactgattcc attgatactc ttagaccatc ctttggactt tctgcttttg gacattttac 240
agtttataat ttatttatca tctatcgatg tttcccaaag aaggactcaa agtacacatt 300
gtcaaagatc tcatggatct aantaagggc cggggaacca ggtncagaat catacattgn 360
ctctacacag aggggataat ttctgaagga aagaagaaag taaattcctt aatcacctt 420
ctggcc 426
```

<210> 982

<211> 440

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (440)

<223> n = A,T,C or G

<400> 982

```
gtcctcaaca agttttccct tctcaccgta cagcctgtat ttctggtgac actgtgtccc 60
cagaacccta ccctgcctcc tgagaagctt gactggtgag gagcagggt gacttctgct 120
taggccagg aacatccaga cccagcactg cctacttctg gattattggg gcagacatgg 180
ctgctggatg ccatgtgcat gtgcagaaca tcagcaaatg gacacagtga tcctgaattg 240
tatgcccgta tgcagcggat cacctctagc cagcacagca cttcaactga caagcccaga 300
taccaccac agtcaccaac atgcagaaaa ctttgcctta acatgggaga gacgggtctc 360
catgttttgn ctttaagccc ctttcctgaa catcaccacc tggagcctac attctgnct 420
gnattggctc cctgtaaggt 440
```

<210> 983

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (439)

<223> n = A,T,C or G

<400> 983

```
tgctgtgaca gtgtcttaag tagggcatgt tgatagatgg aaaaggacgg caaactcgag 60
gtgctgattc aggaagaagc agattccaag atggaagaga aaatatcgag agaaatatgc 120
cgagagaaga atccaggcag aatggaatcc aggcagaatg gtgaatggaa gggtcgggtg 180
accaagagaa aggaaggggtg actcagcaag tctgtagttt cagctcttgt atagtaccgt 240
tatacttgaa aagctgaagc cttttctcgg ggaagagtca gaacggcctg gagggcttgc 300
taaagcgctg ctggcttggc cccnccccgc tgaatgacta atggagactn tgagggccgg 360
ctggtaattt gagtttctaa caagccctgt ttcgatgctg gtacagccga tctanggaaa 420
atattggaac aaggaaaaa 439
```

<210> 984

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (439)

<223> n = A,T,C or G

<400> 984

```

tccgnggcc cttttatcta ctggagggtcc ccctgccaca tggcctcatc caaagcagtt 60
tgctttcttca aagtcagcag catcaattgc tctacaattt ggagatatca gacgaacaga 120
gggaaaatgc agtcagtggt ctaaagctgc cccttaggaa atctaaggct atatctgggt 180
ccataaagtc tttgatcant cagtcanaac aactgcagca ttcctgccgc tcagaatacc 240
ttaatggcct tagtagctga ggctctcaca gcactggcaa gagcaacatg gcattggaat 300
gggaggactg aacaagacgg aagaaaccca agactctntg gtcattgcag aaggaagaat 360
gagagcccaa gcctgaggaa gataaaatga gatgatttgg cttaatatga attaaggcag 420
ctgncagtgg ttctgtaaa 439

```

```

<210> 985
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

```

```

<400> 985
ggcacctgggt tttgtgtaga tacaactcag ggaattatct ccacactgca tctgccatga 60
tcacctgtga gcacctcttc ctgaaacccg ncttcacgtc accttttacc aggccgaccc 120
tacttttctc catctgctaa gaagtgcagc tctaccactg gaagcatcca cttcgggtctc 180
actcccatcc ctagtgtctaa aggactctct aagagagaat gtcagcacag ttttgacaga 240
aacactctaa aactcctgga tattccagaa aaattaactc tgggcaaaaag aacattggca 300
tcaaagnaaa gctcaattta tacaccatta gccanttttt gatagctata aacctgacac 360
gcaaatagga atattttatg gcataacact accgttttaca ttaaagtgtc ttttaataga 420
atatgtaatt tagaaatata aaag 444

```

```

<210> 986
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

```

```

<400> 986
atgacngntt tatgtgctgc ccaggatgag ccactgtgcc cggccaaatg agctattttat 60
gatgatcata aggacacaag ataaggaaat ccaatcagtt gctacgtgct gatgattctg 120
attctggccc tgcagtatcg cttgcatgca cctcctcctc cctgtgctca ctgctggaga 180
aaagagaacc ttggctgatg atttatggat ctacaagtaa tcgaagctta actgccacaa 240
aaataacttt atccagtcct cccccctcc ctgcacctt ctctagttag cgctgtaaga 300
acttggttgc tcaggtggaa ggcataataa attgnattgn atttgaataa gctccccagg 360
tagcacagta atgtctctgc acttgattaa ataagtcagg tcaatttttc tgcaagtttt 420
cctccattgc agcactaaca tt 442

```

```

<210> 987
<211> 219
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(219)
<223> n = A,T,C or G

```

```

<400> 987
gnacattgat acatcccatg aatgaagaat atggagaatg aatgtgatca cttacagaat 60
attatccagt gacatatatg ttaaaaaact atgacatttg aaccctatt aatcataaaa 120
ctgttcacatc tttgaaaagg agaatgatcc tttgtaaatt caaactccat ctgtattatc 180

```


aataagagta tctcagattg agtttcacac atcgaaact 219

<210> 988

<211> 178

<212> DNA

<213> Homo sapiens

<400> 988

gaattctcca	gggacttata	agagttgctg	gaagaaaaca	gctgaggatt	gagcacagtg	60
aactaatctt	ctcacatctt	tgaataagca	gaagttgggtg	aaaaggaatg	taaatattct	120
tatggtaaaa	tgagttcaaa	aagaatcctt	aaatccttaa	aattaataaa	ccaataaa	178

<210> 989

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (536)

<223> n = A,T,C or G

<400> 989

ttttctcaga	catcaagcag	agccttccat	ctcaccgggc	ctctcaagaa	cttcactctc	60
agcatctgcc	agagtctacc	ttcctcactt	ctaccctcca	ttcccaaaga	gcaagaaggt	120
ggatatgtgc	cagaaaaagg	ctagagatcc	tttacctcag	tcttttaatt	tttaatcatt	180
ggaaagagaa	ggaatgagtt	acaggagaaa	gaataatgga	tttgctgtca	gaaaccaaga	240
tgaagtctga	ttctgccact	aatcactctg	tgactttgaa	ccactcacca	aaatggatta	300
atctcataaa	acttcgatat	cctcatcagt	aaagcaaaaat	agcacacttg	tttactgtga	360
ggtgcaaaaat	tcgtcaaatg	cctttataaa	ccacatgggtg	ccctgtgaat	gtaaacagta	420
tgatgtggat	tcctctaaca	ctgatggcga	agtggcactg	aaagggcttc	ttaagcttca	480
taaacgccta	cacaaaaacc	gncattatg	ccctcctttt	ncctaaaaag	tcttca.	536

<210> 990

<211> 270

<212> DNA

<213> Homo sapiens

<400> 990

gggaataactg	cgaaggagca	aactgcagct	tgccctggaaa	cttgcagcaa	gccataccaa	60
ctccaaagtt	gaaaattaac	aatagaggtc	agcctaaaaa	agcaatgttt	ttcccactac	120
tatctattat	aaactgtgct	ggatataatc	acctttgggg	aatgaaaatg	tttcccacac	180
ctatgtaatt	aaagacgaag	gggaagagga	ggaaaggaga	aggggagaaa	gtatatacca	240
aaagaccaat	aaaatgcttt	caaggagatt				270

<210> 991

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (286)

<223> n = A,T,C or G

<400> 991

nagccaaggt	atacctatgc	tgggccatcc	tccctcaatt	aaatgcagtt	gtgcaaacca	60
ggaaggagag	aggagcatgc	gnctgactgc	acgcgggttaa	cacactgcgg	cgccccaga	120
aacagtcttc	ctgcagcagg	tgccctcagaa	atgagcttct	ctctccaggc	tcatgctctg	180
acacttgact	ttctcagctg	taagatggga	ataacagtgg	cgccttccat	gtagatatat	240
gttaggggtt	atgagatggc	gtctggcata	aaatcaatgc	tcaagg		286

<210> 992

<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

<400> 992
ncagtgttaa cgtaaaccac gagccccaca agaagtcatt aaagctgtgc tgttaagagg 60
ccagagcnct ataaaatagg cnagaaacan ggncttgaga aacatgctgc tgcctcaaaa 120
aacaaccttg caaacac 137

<210> 993
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 993
tttnaggatc tgaagctgag ggaattctac tgtgagggaa acccactgtt cctgcagcag 60
ccagtgattt ctacacagca ggagaacgctc tggagtctac aggaaataac atcaagattt 120
gtaatgaatc agctagcaga aaataaccct ttcctaattg atgacataga acggtaccca 180
caagtcagga gcatgatctc tcagggaaaa acatgtgcaa tatgtggaca gtactttata 240
accgtatggc tggaaatgtgt tcgatttggt cctccaccaa aggactggaa gataagcaag 300
aatctgaagc tgggtgcctct ccaagtatta atttgttctt acaaagtgtt tactcaacgt 360
gaccctaacc tctttggaat tgctcangtg tagaacaggt gaggtgctca ttcatagcct 420
cactccactt 430

<210> 994
<211> 67
<212> DNA
<213> Homo sapiens

<400> 994
gaagtgtaaa aggatacgaa atatttcttg catgatgtcc tagcaagaat tcttacacct 60
agtttgc 67

<210> 995
<211> 309
<212> DNA
<213> Homo sapiens

<400> 995
gtaattcgaa ttcagctaac ttccatgggg tccacctgag tcttgagaag aactgccaga 60
atctggaagg ccaagctgct ctctgcatcc tcttatcact ggtaaccact tcaagtcctt 120
tatgtataga atgctccagg ggggtgggtc tggcactcat ctctttattc cacaatctcc 180
actggacaca ggtcatgttt tagaaacatt tctcttttaa tcagtccttt acttgattgg 240
agacagacag gaaggaagta cacacctgca ctttcaataa aaggaagaaa ataaaagtgc 300
ttaacattc 309

<210> 996
<211> 447
<212> DNA
<213> Homo sapiens

<400> 996
athtagtcaa tgggaacccc ttcaagttgg ctcttttgct tttttggcat gtcccatcat 60

atttggagtc	ttaagaattt	acatcttggt	tatctgcttt	cggcattcca	ctctcctagc	120
gacgggcttca	ggaagtgatg	gatactcctg	cagaagcaga	tctctgcccc	tggacagatg	180
gggaaaggct	actgggaagg	cagttagtgt	ctgctgcagt	gcacacaaaa	atgggaagca	240
gtacgtgcaa	tgctctggaa	agatgattgc	ggcaagagct	tcacctaaag	gactagtggag	300
gacaggattg	tatcaatagg	tattggttcc	taataaacat	cttgcacctc	aaattccatc	360
ccagaatctg	cttccagaga	accccatcta	taccaagacc	ctgatgatcc	cagtcatctc	420
aagttattcc	tgctgaagtt	ccactct				447

<210> 997
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 997						
aactgtccaa	actgatgaca	gcacagacat	ttctgacgtg	aagaagaaag	accggctcta	60
gcacgtgacc	agcattctca	tttcccactc	acattcggat	ctcggctctc	aggctacatt	120
ctggtcagga	tgaattacat	gtataattca	aaatcaagaa	agctgttcaa	gtacaacgtg	180
tgaggcttct	gccaacgtcg	aaattcatta	ggaaccatga	ttttggctga	gcacatggct	240
ctggttttgag	ctcttttatt	ccggtgttat	tgctcattca	cttaaagnga	aatacgtgag	300
tcagagacaa	gatctctttc	ccttttcatg	tttctccaat	ttatctccct	tggcataata	360
aatatctcaa	gcc					373

<210> 998
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 998						
acggagtcta	gctctgtcac	caggctggag	cacagtggca	tgatctcgac	tactgcaac	60
ctccactgaa	gaaggaattc	atgaatttta	caagtataat	caaagaccac	caagaaattt	120
ttactttttc	cttcaaaagc	taagtgtagt	gtagcaccac	ctgcccatag	tctaagttac	180
agaagaatac	taactgcctg	tttttctttc	tgtgttgtga	gccttatctg	ttctcaccag	240
tttcacattc	cttgaggctc	agtgagttcc	tgctgcacct	ccctagcaca	gctgcaaagt	300
tacaagggtg	atatgccgta	tgttacagaa	acatagtttc	ccaaggatgt	ggaacatgta	360
gtatagataa	atgtaaaaga	ctgatcaact	gcctttgttc	tcgcttgtgt	aagtagactt	420
catgaatcac	ag					432

<210> 999
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 999						
actcggcaga	ctgattaaag	gacaggggtca	cccatacaca	ccggagctca	gaaaaagtgc	60
acgtaccttc	cacacagcga	cagccctctt	gcagcacccg	tgcatacata	tccactttgg	120
actgagaaag	gagctgggtc	ccagtcagct	caagccacgt	gacctgtttc	ctcccacttc	180
accttctacc	atgagtaaaa	gctccctcca	gcctccccag	agaagccaag	cagatgctgg	240
caccatgctt	ctggtacaac	ctgtagaatg	tgagccaatt	aaaactcttc	tttataaatt	300

<210> 1000
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 1000						
aggctgtaca	tgctgcctcc	ttggctctat	gaagggtgcca	cgaacacaac	aagctacacc	60
aggggaagaac	tggagtgtat	gttccttatg	atacacttga	aagcccaact	gcaggggaacc	120

tgaacacatg	gatctgcatg	ctagtgaaac	actgcacgct	ttatattgca	catttctagt	180
ggaaaaatact	atgactgtac	ctggcaatat	tttcataaat	attatcctgg	aattccattc	240
atattcttag	aaaataattt	agcaggagca	aaaaaaaaatg	aataaataaa	tagccatgtt	300
caaaaac						307

<210> 1001
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 1001						
atgcacgagc	tgagatggct	gaaaaccacg	aagtaggac	tcatacctggc	agtggctgaa	60
ttacaatgca	aattgaattc	ccaaccttgc	agaccatctg	ccgttaaaag	tgagggcata	120
gattgggaag	gaattctgcc	tttggactcc	gatgccaaca	tcagctcttc	cttgggttctc	180
cagtctgtgg	cctgatctgc	agatttcaga	cttgccatcc	ccacaatcgt	gtgagttgat	240
tccttaaata	taattcttta	aaataaatct	tccccctttc	tctac		285

<210> 1002
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 1002						
gtgggggtctt	tcacagtgg	tcgagatcat	gccactgcac	tccagcctgg	gtgacaaaagc	60
gggattctgt	ttc					73

<210> 1003
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 1003						
gctcaactcc	gaatggattg	gattgagagt	ctgcacgtga	gaaaaccggt	tggcttggct	60
tggaccctcg	ccgcccccca	cctcctccac	acacaccag	tccaggggtc	ccctttatca	120
ccctttgctt	gcaactccaa	aagaagttgc	ccacctctg	agtcacaaca	caaggctgaa	180
taattcctct	agatgaaaga	tcagtttcat	ttcaaaacga	gaatagggtc	ctttttttat	240
tttctccaca	tggtacaaaa	taaacagaat	ttgcttt			277

<210> 1004
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(445)
 <223> n = A,T,C or G

<400> 1004						
gcacagccaa	tcaaccatcc	atcctctcct	caaccttcca	gaagactgtg	agtcctgaga	60
gcatagaaac	tctcctgatg	ttgctcccag	accgtgaccc	gtgctggcaa	agcttctatt	120
cccatgtggc	tgcatgtttc	ataaggagag	ctactaaaat	gcaggaaagc	acanaggctt	180
aatngctnag	ctagatgggc	actcagccaa	caccgctgtt	agcanaatga	anctcaatct	240
tacanaataa	gtgctgaacc	tcggctctgg	atcgcccnag	ccccacatgg	attgcgtgtg	300
tnnnccggggg	angannttgg	atatggnagn	ctttcttttc	actcttttga	aagggnntgg	360
naatctatgg	gttactagaa	cattttatct	ttaataataat	aatcccagct	gcaaaacaac	420
attaagaggg	aacactgcac	ctatc				445

<210> 1005
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 1005
gaactgggttt gtgtcctggg gattcagcag tgaacaaaagt aaacaaaagt ccttgccttc 60
atggagattg tattctgatg gggagagaca aaaataaata aggaaaatat gtgggt 115

<210> 1006
<211> 180
<212> DNA
<213> Homo sapiens

<400> 1006
gcctggatca gctcaattac ttgcctactc tggacctgag cagctgtgga taaaaacaac 60
tggagaaaat cactcaacag acagactcaa tttactttta aatatgtgat ttcaaacttc 120
aatgtccaa ctcttgcaa ctgcactata ttccctaata aacttgcttt cccaaactcc 180

<210> 1007
<211> 393
<212> DNA
<213> Homo sapiens

<400> 1007
atcttatatc acctcctatc attggtgcca tccccactga ctgcaaaacc ttgaaggaac 60
gaagataaac agcatccac agtcaatctt actcacggga gttaacccta tcgaccgcac 120
gtgcacaaga ccagacgaat gaccaacctt tacccttgc ctcatacata tactaaaatc 180
cccacccggg aagggaactt gctgccattt tgtgatcctg cgggtgcgggt actaacctgc 240
ttgtcactg cacctgtgcg ccctgcgctc cactctgcac atgtcacgac actcacatag 300
ctcatgtaga tgctgtcaa ccttcctaga aacaccagac ataccctggg gagccagcca 360
gagaactctc cctccagtgc tgtatccctt agc 393

<210> 1008
<211> 431
<212> DNA
<213> Homo sapiens

<400> 1008
accagtgaac tgaggcccct atccaatgtc accttggttg catgcagcag aggtggaatc 60
aagaagccaa ctctgcctcc caggataatc taccaccata acatggtgac ctagcatgct 120
gcagaagaag aaaaaaacca aaaaaatata tgtacaaacc aaaatatagt catagaattg 180
tgtgagagaa gaatggaaaa gacttacttt cacatccgga aggtcctgtt acaattccaa 240
cttttctttg tacctgtgta aatgtaagca ggaatgattt tgttttgcta caaattcacc 300
ttgtcatcaa ggaaaggaca atattactag atgtagtcca agatattcaa ctgcacgcaa 360
aggtaaaaaag atggtcatga tgtttgact caattgcttc aacagggtat tctccagtat 420
tccttaacta c 431